COMPLETE CABINET CONFIDENCE

BUILD WITH CONFIDENCE





Quick Reference Guide

2026

PHOENIX CONTACT





Build with complete confidence

Phoenix Contact is a global market leader in industrial electronics and automation technologies with a comprehensive product and service offering that ensures the most functional, reliable, innovative, future proof, and cost-effective control cabinet solution.

Partnering with Phoenix Contact ensures an unparalleled offering, consisting of:

- **Lifetime Warranty**
  The industry's most comprehensive warranty program, guarantees you long-term reliability of your systems and applications.
- **Price Guarantee**
  The perfect combination of price and features.
- **Availability Guarantee**
  We help you build effective and efficient systems fast by providing you products right when you need them.
- **E-Platform**
  Information at your fingertips enables automatic checking and direct ordering.
- **Industry 4.0/IoT Readiness**
  Be ready now and for the future with Phoenix Contact.





Value-Added Centre

- Order complete solutions fully assembled under a single article number.
- Complete terminal strips assembled, marked and with all accessories installed.
- Ready to install and connect.
- Increase efficiency of procurement and stock management processes.
- A flexible and efficient approach to supply chain management.



Complete DIN-Rail Assembly Design

- Intuitive user interface for configuring terminal strips with intelligent functions such as auto correction, speed marking, or 3D visualisation of projects.
- Professional software for marking of labelling materials for terminal blocks, conductors, cables, devices, and systems.
- Perfect integration, thanks to optimised interfaces to all common CAE programs and spreadsheet formats.
- Equipped with an official template designer which allows users to create their own markings and adapt existing material descriptions.



Complete Product Portfolio

- Optimises control cabinet design and construction.
- Technologically leading products.
- Minimise logistics costs by reducing the variety of parts, thanks to standardised marking, bridging, and testing accessories.

Establishment of 4 Core business

Power Reliability

The heart of your installation, all control systems are dependent on being properly powered and protected. Surge and circuit protection, UPS backup, and redundant power solutions are the foundation on which reliable control systems should be built.

Cabinet Efficiency

Efficiency in cabinet building begins with Phoenix Contact's modular and scalable solutions. From design to installation, our innovative products simplify processes, shorten assembly times, and ensure consistent quality across every project.

Automation

From single components to fully integrated systems, Phoenix Contact delivers reliable solutions powered by cutting-edge technologies in industrial networking, automation, safety, switching, signal conversion, and motor control, driving innovation and high performance across every application.

Connectivity

Discover our wide range of new products for the transmission of signals, data, and power. Reliable and cost effective solutions including Circular Connectors, Data ports, Connectors for Energy Storage and many more.

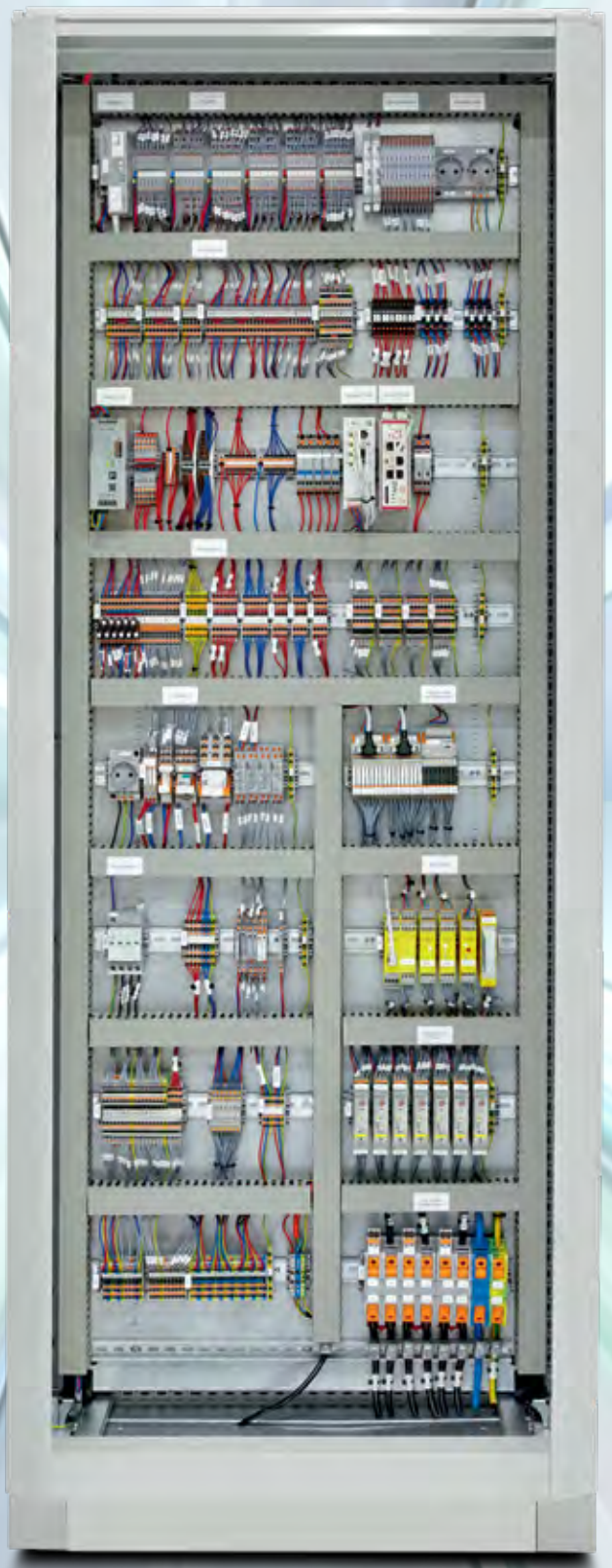


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Power Reliability

Power Supplies

Power supply

AC Input to DC Output

Do you need a single-phase or a three-phase power supply?

What is the output DC voltage?

What is your output current (Amps)?

What functionality do you require?

Have you considered surge protection with a Lifetime Warranty?

Resulting Phoenix Contact part number

Basic Functionality: Compact with standard functionality

Standard Functionality: Robust & Reliable with standard functionality

Maximum Functionality: Powerful, and with superior functionality

Phase	Output Voltage	Output Current	Description	Connection Technology	Order #
1-Phase	5 V DC	3A	STEP3-PS/1AC/5DC/3/PT	Push-in	1170954
		5A	UNO-PS/1AC/ 5DC/ 25W	Screw	2904374
		5A	QUINT-4-PS/1AC/5DC/5/PT	Push-in	2904595
		6.5A	STEP-PS/ 1AC/ 5DC/6.5	Screw	2868541
	12 V DC	1.3A	STEP3-PS/1AC/12DC/1.3/PT	Push-in	1170952
		2.5A	STEP3-PS/1AC/12DC/2.5/PT	Push-in	1170953
		2.5A	UNO2-PS/1AC/12DC/30W/PT NEW	Push-in	1399935
		2.5A	QUINT4-PS/1AC/12DC/2.5/PT	Push-in	2904605
		3A	STEP-PS/ 1AC/12DC/3	Screw	2868570
		5A	STEP-PS/ 1AC/12DC/5	Screw	2868583
		5A	UNO2-PS/1AC/12DC/60W/PT NEW	Push-in	1399936
		5A	TRIO3-PS/1AC/12DC/5/C2LPS NEW	Push-in	1362789
		7.5A	QUINT-4-PS/1AC/12DC/7.5D/PT	Push-in	2904607
		8.3A	UNO-PS/1AC/12DC/100W	Screw	2902997
		10A	TRIO-PS-2G/1AC/12DC/10	Push-in	2903158
		15A	QUINT-4-PS/1AC/12DC/15	Screw	2904608
		20A	QUINT-PS/1AC/12DC/20	Screw	2866721
	15 V DC	2.0A	UNO-PS/1AC/15DC/30W	Screw	2903000
		4.0A	STEP-PS/1AC/15DC/4	Screw	2868619
	24 V DC	0.63A	STEP3-PS/1AC/24DC/0.63/PT	Push-in	1088495
		1.25A	UNO2-PS/1AC/24DC/30W/PT NEW	Push-in	1399932
		1.3A	STEP3-PS/1AC/24DC/1.3/PT	Push-in	1088494
		1.3A	QUINT4-PS/1AC/24 DC/1.3/PT	Push-in	2909575
		1.3A	QUINT4-PS/1AC/24 DC/1.3/SC	Screw	2904597
		2.5A	STEP3-PS/1AC/24DC/2.5/PT	Push-in	1088491
		2.5A	UNO2-PS/1AC/24DC/60W/PT NEW	Push-in	1399933
		2.5A	QUINT4-PS/1AC/24DC/2.5/PT	Push-in	2909576
		2.5A	QUINT4-PS/1AC/24DC/2.5/SC	Screw	2904598
		3A	TRIO3-PS/1AC/24DC/3/C2LPS NEW	Push-in	1362785
		3.125A	PS-EE-2G/1AC/24DC/75W/SC NEW	Screw	1234301
		3.75A	UNO2-PS/1AC/24DC/90W/PT NEW	Push-in	1399934
		3.8A	QUINT4-PS/1AC/24DC/3.8/PT	Push-in	2909577
		3.8A	QUINT4-PS/1 AC/24 DC/3.8/SC	Screw	2904599
		4A	STEP3-PS/1AC/24DC/4/PT	Push-in	1140066
		4.2A	UNO-PS/1AC/24DC/100W	Screw	2902993
		5A	STEP3-PS/1AC/24DC/5/PT	Push-in	1088478
		5A	PS-EE-2G/1AC/24DC/120W/SC NEW	Screw	1234302
		5A	UNO2-PS/1AC/24DC/120W	Screw	1110466
		5A	TRIO3-PS/1AC/24DC/5 NEW	Push-in	1159037
		5A	QUINT4-PS/1AC/24DC/5	Screw	2904600
		10A	PS-EE-2G/1AC/24DC/240W/SC NEW	Screw	1234304
		10A	UNO2-PS/1AC/24DC/240W	Screw	1096432
		10A	TRIO3-PS/1AC/24DC/10 NEW	Push-in	1159038
		10A	QUINT4-PS/1AC/24DC/10	Screw	2904601
		20A	PS-EE-2G/1AC/24DC/480W/SC NEW	Screw	1234308
		20A	UNO2-PS/1AC/24DC/480W	Screw	2910105
		20A	TRIO3-PS/1AC/24DC/20 NEW	Push-in	1159039
		20A	QUINT4-PS/1AC/24DC/20	Screw	2904602
		40A	UNO2-PS/1AC/24DC/960W	Screw	1110043
		40A	QUINT4-PS/1AC/24DC/40	Screw	2904603
	48 V DC	1.25A	UNO-PS/1AC/48DC/ 60W	Screw	2902995
		2.1A	UNO-PS/1AC/48DC/100W	Screw	2902996
		5A	UNO2-PS/1AC/48DC/240W	Screw	1110155
		5A	TRIO-PS-2G/1AC/48DC/5	Push-in	2903159
		5A	QUINT4-PS/1AC/48DC/5	Screw	2904610
		10A	TRIO3-PS/1AC/48DC/10 NEW	Push-in	1362786
		10A	QUINT4-PS/1AC/48DC/10	Screw	2904611
		20A	QUINT4-PS/1AC/48DC/20	Screw	2904612
	110 V DC	4A	QUINT4-PS/1AC/110DC/4	Screw	2904613

Phase	Output Voltage	Output Current	Description	Connection Technology	Order #
3-Phase	24 V DC	5A	TRIO3-PS/3AC/24DC/5 NEW	Push-in	1362783
		5A	QUINT4-PS/3AC/24DC/5	Screw	2904620
		10A	ESSENTIAL-PS/3AC/24DC/240W/EE	Screw	1018291
		10A	TRIO3-PS/3AC/24DC/10 NEW	Push-in	1159042
		10A	QUINT4-PS/3AC/24 DC/10	Screw	2904621
		20A	ESSENTIAL-PS/3AC/24DC/480W/EE	Screw	1018299
		20A	TRIO3-PS/3AC/24DC/20 NEW	Push-in	1159044
		20A	QUINT4-PS/3AC/24DC/20	Screw	2904622
		20A	ESSENTIAL-PS/3AC/24DC/960W/EE	Screw	1018294
		40A	TRIO3-PS/3AC/24DC/40 NEW	Push-in	1159045
		40A	QUINT4-PS/3AC/24DC/40	Screw	2904623
	48 V DC	20A	QUINT4-PS/3AC/48DC/20	Screw	2904627
		20A	TRIO3-PS/3AC/48DC/20 NEW	Push-in	1362784

Download: Power Reliability Catalogue

QUINT4 Power Supplies



TRIO Power Supplies



UNO Power Supplies



Essential Power Supplies



STEP Power Supplies



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LIFETIME WARRANTY

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Power Reliability

Power Supplies - DC to DC Converters

Power supply

DC Input to DC Output

Download: Power Supply Solutions Catalogue

What is your Input DC Voltage ?					
What is the output DC voltage?			**Standard Functionality:** Robust & Reliable with standard functionality	**Maximum Functionality:** Powerful, and with superior functionality	
What is your output current (Amps)?					
What functionality do you require?					
Have you considered surge protection with a Lifetime Warranty?					
Resulting Phoenix Contact part number					
Input Voltage	**Output Voltage**	**Output Current**	**Description**	**Connection Technology**	**Order #**
12-24 V DC	5 -15 V DC	2A	MINI-PS- 12- 24DC/ 5-15DC/2	Screw	2320018
		2.5A	QUINT4-PS/12-24DC/5-15DC/2.5/PT	Push-in	1066704
12 V DC	12 V DC	8A	QUINT-PS/12DC/12DC/8	Screw	2905007
24 V DC	12 V DC	8A	QUINT4-PS/24DC/12DC/8/PT	Push-in	2910122
12-24 V DC	24 V DC	1.3A	QUINT4-PS/12-24DC/24DC/1.3/PT	Push-in	1066716
		1.3A	QUINT4-PS/12-24DC/24DC/1.3/SC	Screw	1066703
		2.5A	QUINT4-PS/12-24DC/24DC/2.5/PT	Push-in	1066714
		2.5A	QUINT4-PS/12-24DC/24DC/2.5/SC	Screw	1066718
12 V DC	24 V DC	5A	QUINT4-PS/12DC/24DC/5/PT	Push-in	2910124
		5A	QUINT-PS/12DC/24DC/ 5	Screw	2320131
24 V DC	24 V DC	5A	QUINT4-PS/24DC/24DC/5/PT	Push-in	2910119
		5A	QUINT4-PS/24DC/24DC/5/SC	Screw	1046800
		10A	QUINT4-PS/24DC/24DC/10/PT	Push-in	2910120
		10A	QUINT4-PS/24DC/24DC/10/SC	Screw	2903158
		20A	QUINT4-PS/24DC/24DC/20/PT	Push-in	2910121
		20A	QUINT4-PS/24DC/24DC/20/SC	Screw	1046805
48-60 V DC	24 V DC	1.0A	MINI-PS- 48- 60DC/24DC/1	Screw	2866271
48-110 V DC	24 V DC	2.5A	QUINT4-PS/48-110DC/24DC/2.5/PT	Push-in	1066708
96-110 V DC	24 V DC	10A	QUINT-PS/96-110DC/24DC/10	Screw	2905010
48 V DC	24 V DC	5A	QUINT-PS/48DC/24DC/ 5	Screw	2320144
		5A	QUINT4-PS/48DC/24DC/5/PT	Push-in	2910125
12-24 V DC	48 V DC	0.7A	MINI-PS- 12- 24DC/48DC/0.7	Screw	2320021
24-48 V DC	48 V DC	2A	QUINT4-PS/24-48DC/48DC/2/PT	Push-in	1098676
24 V DC	48 V DC	5A	QUINT4-PS/24DC/48DC/5/PT	Push-in	2910123
			QUINT-PS/24DC/48DC/ 5	Screw	2320128
48 V DC	48 V DC	5A	QUINT4-PS/48DC/48DC/5/PT	Push-in	2910128
			QUINT-PS/48DC/48DC/5	Screw	2905008

QUINT4 DC-DC Converters



DC to DC Converters for Photovoltaic Applications					
Input Voltage	**Output voltage**	**Output Current**	**Description**	**Connection Technology**	**Order #**
350 - 900 V DC	24 V DC	2.5A	UNO-PS/350-900DC/24DC/60W	Screw	2906300
1500 V DC	24 V DC	1.5A	TRIO-PS-2G/1500DC/24DC/1.5	Push-in	1107892
1500 V DC	24 V DC	8A	TRIO-PS-2G/1500DC/24DC/8	Push-in	1075240

DC-DC Converters for Photovoltaics



Recommended Surge Protection for **LIFETIME WARRANTY**

Recommended Surge Protection on Power Supply Input for Lifetime Warranty**							
Phase	**Voltage**	**Max Surge Current (IMAX)**	**Load Current**	**Type Description**		**Connection Technology**	**Order #**
1-phase	230 V AC	10 kA	26A	PLT-SEC-T3-230-FM-PT*		Push-in	2907928
	230 V AC	10 kA	26A	PLT-SEC-T3-230-FM-UT*		Screw	2907919
	230 V AC	40 kA	NA	VAL-SPP-T2-275-1+1-UT	NEW	Screw	1466211
	230 V AC	40 kA	NA	VAL-SPP-T2-275-1+1-UT-R*	NEW	Screw	1466597
3-phase	230/400 V AC	40 kA	NA	VAL-SPP-T2-275-3+1-UT	NEW	Screw	1466213
	230/400 V AC	40 kA	NA	VAL-SPP-T2-275-3+1-UT-R*	NEW	Screw	1466214

* FM - Remote relay alarm output. ** Go to www.phoenixcontact.com/en-nz/nz-lifetime-warranty for full details

The Unbeatable Team!



Recommended Surge Protection on Power Supply Input for Lifetime Warranty**						
Power Supply Input Voltage	**Voltage**	**Max Surge Current (IMAX)**	**Load Current**	**Type Description**	**Connection Technology**	**Order #**
48-110 V DC	120 V AC / DC	10 kA	26A	PLT-SEC-T3-120-FM-PT*	Push-in	2907927
	120 V AC / DC	10 kA	26A	PLT-SEC-T3-120-FM-UT*	Screw	2907918
48 V DC	60 V AC / DC	4 kA	26A	PLT-SEC-T3-60-FM-PT*	Push-in	2907926
	60 V AC / DC	4 kA	26A	PLT-SEC-T3-60-FM-UT*	Screw	2907917
12-24 V DC	24 V AC / DC	4 kA	26A	PLT-SEC-T3-24-FM-PT*	Push-in	2907925
	24 V AC / DC	4 kA	26A	PLT-SEC-T3-24-FM-UT*	Screw	2907916
	24 V DC	1 kA (In)	6A	TTC-6P-T3-24DC-PT-I	Push-in	1027586
	24 V DC	1 kA (In)	6A	TTC-6P-T3-24DC-UT-I	Screw	1027584

* FM - Remote relay alarm output. ** Go to www.phoenixcontact.com/en-nz/nz-lifetime-warranty for full details

LIFETIME WARRANTY

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Power Reliability

Redundancy

For maximum operational safety. To prevent failures and downtime of complex applications, redundant power supply solutions are necessary. Two power supplies connected in parallel can be decoupled with either active or passive redundancy modules.

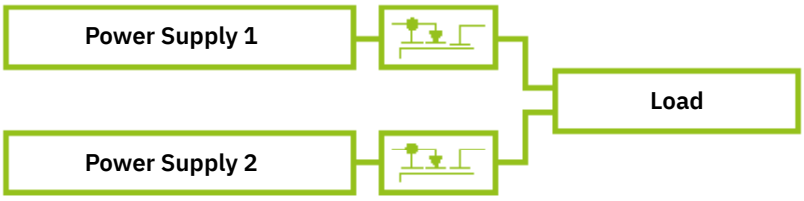


Monitored

Not Monitored

QUINT SINGLE-ORING active redundancy module (S-ORING)

Fully monitored single channel MOSFET technology redundancy.

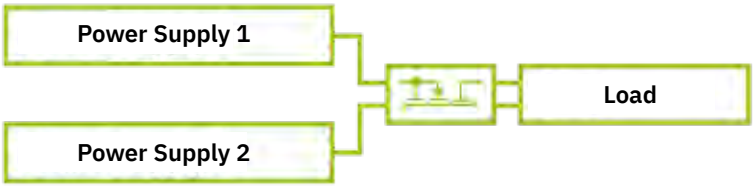




Nominal Input-Output Voltage	Input Current	Output Current	Description	OVP Limit	Order #	
12-24 V DC	1 x 40A	1 x 40A	QUINT4-S-ORING/12-24DC/1X40	Standard	2907752	
12-24 V DC	1 x 40A	1 x 40A	QUINT4-S-ORING/12-24DC/1X40/VP	<30 V DC	1043418	
12-24 V DC	1 x 40A	1 x 40A	QUINT4-S-ORING/12-24DC/1X40/+	<28.8 V DC	2907753	

QUINT ORING active redundancy module with ACB Technology

Fully-monitored dual channel MOSFET technology with Auto Current Balancing - doubling the service life of your power supplies.



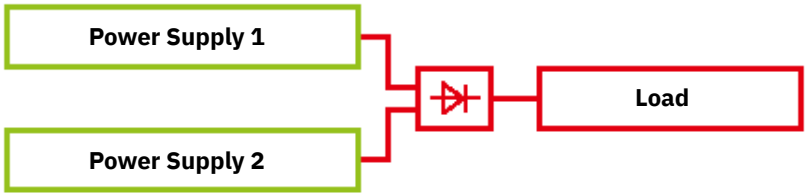


Nominal Input-Output Voltage	Input Current	Output Current	Description	Order #	
12-24 V DC	2 x 10A	2 x 10A (Redundancy) 1 x 20A (Increased Power)	QUINT4-ORING/12-24DC/2X10/2X10	1088206	
12-24 V DC	2 x 20A	2 x 20A (Redundancy) 1 x 40A (Increased Power)	QUINT4-ORING/12-24DC/2X20/2X20	1088207	
18-24 V DC	2 x 40A	2 x 40A (Redundancy) 1 x 80A (Increased Power)	QUINT-ORING/24DC/2X40/1X80	2902879	

Power Reliability

Redundancy

Passive Redundancy modules: choose from **QUINT, TRIO, UNO**, or **STEP POWER** Diodes for easy decoupling. Rugged and reliable DIODE technology from 5 to 48V DC.

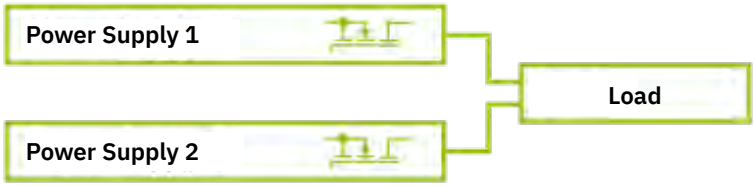




Nominal Input-Output Voltage	Input Current	Output Current	Description	Order #	
12-24 V DC	2 x 20A	2 x 20A (Redundancy) 1 x 40A (Increased Power)	QUINT4-DIODE/12-24DC/2X20/1X40	2907719	
48 V DC	2 x 20A	2 x 20A (Redundancy) 1 x 40A (Increased Power)	QUINT4-DIODE/48DC/2X20/1X40	2907720	
12-24 V DC	2 x 20A	2 x 20A (Redundancy) 1 x 40A (Increased Power)	TRIO2-DIODE/12-24DC/2X20/1X40	2907379	
12-24 V DC	2 x 10A	2 x 10A (Redundancy) 1 x 20A (Increased Power)	TRIO2-DIODE/12-24DC/2X10/1X20	2907380	
12-48 V DC	2 x 10A	"1 x2 x 10A (Redundancy)	PS-EE-2G-DIODE/12-48DC/2X10/SC NEW	1584245	
12-48 V DC	2 x 20A	20A (Increased Power)"	PS-EE-2G-DIODE/12-48DC/2X20/SC NEW	1584246	
5-24 V DC	2 x 10A	"1 x2 x 20A (Redundancy)	UNO-DIODE/5-24DC/2X10/1X20	2905489	
5-24 V DC	2 x 5A	40A (Increased Power)"	STEP-DIODE/5-24DC/2X5/1X10	2868606	

QUINT POWER Plus with inbuilt Active redundancy

Fully-monitored single channel MOSFET technology built into the QUINT4 Power Supply - as well as double over-voltage protection (OVP), protective coating, Ex-rated and SIL3 rated and extreme temperature range.



NEW



Nominal Input-Output Voltage	Output Voltage	Output Current	Description	OVP Limit	Order #	
1 Phase / 230V AC	24 V DC	10A	QUINT4-PS/1AC/24DC/10/+	<30 V DC	2904616	
		20A	QUINT4-PS/1AC/24DC/20/+	<30 V DC	2904617	
		40A	QUINT4-PS/1AC/24DC/40/+	<30 V DC	2904618	
24 V DC	24 V DC	20A	QUINT4-PS/24DC/24DC/20/SC/+	<30 V DC	1046881	

Download:
Power Supply Solutions Catalogue

Power Reliability

Uninterruptible Power Supplies (UPS)

DC power For critical applications, uninterruptible power supplies (UPS) can provide a lifeline to keep your system up and running.

+ UPS module
Selected based on output requirements

DC QUINT Power Supply

Select UPS Type (Comms)

What Input-Output Voltage / Amps?

Comms	Input/Output/ Amps	Description	Order #
None	24DC/24DC/5A	QUINT4-UPS/24DC/24DC/5	2906990
None	24DC/24VDC/10A	QUINT4-UPS/24DC/24DC/10	2907066
None	24DC/24VDC/20A	QUINT4-UPS/24DC/24DC/20	2907071
None	24DC/24VDC/40A	QUINT4-UPS/24DC/24DC/40	2907077
USB	24DC/24DC/5A	QUINT4-UPS/24DC/24DC/5/USB	2906991
USB	24DC/24VDC/10A	QUINT4-UPS/24DC/24DC/10/ USB	2907067
USB	24DC/24VDC/20A	QUINT4-UPS/24DC/24DC/20/ USB	2907072
USB	24DC/24VDC/40A	QUINT4-UPS/24DC/24DC/40/ USB	2907078
ETHERNET IP	24DC/24DC/5A	QUINT4-UPS/24DC/24DC/5/EIP	2906994
ETHERNET IP	24DC/24VDC/10A	QUINT4-UPS/24DC/24DC/10/EIP	2907069
ETHERNET IP	24DC/24VDC/20A	QUINT4-UPS/24DC/24DC/20/EIP	2907074
ETHERNET IP	24DC/24VDC/40A	QUINT4-UPS/24DC/24DC/40/EIP	2907080





Comms	Input/Output/Amps	Description	Order #
PROFINET	24DC/24DC/5A	QUINT4-UPS/24DC/24DC/5/PN	2906993
PROFINET	24DC/24VDC/10A	QUINT4-UPS/24DC/24DC/10/PN	2907068
PROFINET	24DC/24VDC/20A	QUINT4-UPS/24DC/24DC/20/PN	2907073
PROFINET	24DC/24VDC/40A	QUINT4-UPS/24DC/24DC/40/PN	2907079
ETHERCAT	24DC/24DC/5A	QUINT4-UPS/24DC/24DC/5/EC	2906996
ETHERCAT	24DC/24VDC/10A	QUINT4-UPS/24DC/24DC/10/EC	2907070
ETHERCAT	24DC/24VDC/20A	QUINT4-UPS/24DC/24DC/20/EC	2907076
ETHERCAT	24DC/24VDC/40A	QUINT4-UPS/24DC/24DC/40/EC	2907081



QUINT4 - BATTERY CHARGER		Order #
Input/Output/Amps	Description	2907990
230 V AC IN / 24 V DC OUT / 10A	QUINT4-CHARGER/1AC/24DC/10	

USB EtherNet/IP PROFINET EtherCAT

UPS Energy Storage Selection Guides

	UPS-BAT/PB						
							
W x H x D in mm	54 x 157 x 113	85 x 191 x 110	135 x 202 x 110	202 x 202 x 110	155 x 168 x 183	333 x 173 x 199	350 x 214 x 332
Capacity	**1.2 Ah**	**4 Ah**	**7 Ah**	**12 Ah**	**20 Ah**	**40 Ah**	**110 Ah** NEW
Type	UPS-BAT/PB/ 24DC/1.2AH	UPS-BAT/PB/24DC/4AH	UPS-BAT/PB/24DC/7AH	UPS-BAT/PB/ 24DC/12AH	UPS-BAT/PB/ 24DC/20AH	UPS-BAT/PB/ 24DC/40AH	UPS-BAT/PB/ 24DC/110AH
Order #	1274520	1274117	1274118	1274119	1348516	1354641	1474660

Buffer times for your QUINT DC UPS with PB battery module:

Select your battery module for your 24 V DC applications here. Example: 7 A is to be buffered for 45 minutes.

Load Current	Buffer Time																													
	Minutes															Hours															
	1	2	3	4	5	6	7	8	9	10	20	30	40	45	50	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	50	100
1 A																														2x		
2 A																														2x		
3 A																												2x	2x	2x		
5 A																								2x	2x	2x	2x	2x				
7 A																				2x	2x	2x	2x	2x	2x							
10 A																			2x	2x	2x	2x	2x									
15 A																	2x	2x	2x													
20 A																	2x	2x														
25 A																	2x															
30 A																2x																
35 A														2x	2x	2x																
40 A													2x	2x	2x	2x																

QUINT4-UPS/24DC/24DC/10A and UPS-BAT/PB/24DC/12AH

2x: In this case, two battery modules of the same capacity are required. The data is based on an ambient temperature of +25°C at start of use.

Download:
Power Supply Solutions Catalogue

UPS Energy Storage Selection Guides (DC UPS Continued)

	UPS-BAT/LI-ION				UPS-BAT/VRLA-WTR	
						
W x H x D in mm	87 x 197 x 119	135 x 202 x 110	135 x 202 x 110	133 x 197 x 119	172 x 177 x 178	358 x 174 x 169
Capacity	**64 Wh / 2.5 Ah**	**128 Wh / 5 Ah**	**189 Wh / 7.4 Ah**	**284 Wh / 11.1 Ah**	**13 Ah**	**26 Ah**
Type	UPS-BAT/LI/24DC/64WH	UPS-BAT/LI/24DC/128WH	UPS-BAT/LI/24DC/189WH	UPS-BAT/LI/24DC/284WH	UPS-BAT/VRLA-WTR/24DC/13AH	UPS-BAT/VRLA-WTR/24DC/26AH
Order #	1460921 NEW	1396415	1460922 NEW	1460923 NEW	2320416	2320429

Buffer times for your QUINT DC UPS with the following energy storage devices: Lithium Battery Module

Select your energy storage device for 24 V DC applications here. Example: 7 A is to be buffered for 45 minutes.

QUINT4-UPS/24DC/24DC/10A and UPS-BAT/LI/24DC/189WH

Load Current	Buffer Time																									
	Minutes															Hours										
	1	5	6	7	8	9	10	15	20	25	30	35	40	45	55	1	2	3	4	5	6	7	8	9	10
1 A																									
2 A																									
3 A																									
5 A																									
7 A																									
10 A																									
15 A																									
20 A																									
25 A																									
30 A																									
35 A																									
40 A																									

The data is based on an ambient temperature of +25°C at the start of use.

Buffer times for your QUINT DC UPS with the following energy storage devices: VRLA-WTR (WTR: Wide Temperature Range)

Select your energy storage device for 24 V DC applications here. Example: 20 A is to be buffered for 30 minutes.

QUINT4-UPS/24DC/24DC/20A and UPS-BAT/VRLA-WTR/24DC/26AH

Load Current	Buffer Time																									
	Minutes											Hours														
	10	12	15	20	25	30	35	40	45	50	55	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20
1 A																										
2 A																										
3 A																										
5 A																										
7 A																										
10 A																										
15 A																										
20 A																										
25 A																										
30 A																										
35 A																										
40 A																										

The data is based on an ambient temperature of +25°C at the start of use.

Power Reliability

UPS Energy Storage Selection Guides (DC UPS Continued)

Download: Power Supply Solutions Catalogue

DC UPS with Integrated Power Supply

Power supply	+ UPS module
AC-to-DC, DC-to-DC power supplies and UPS	Selected based on output requirements



Phase	Output Voltage	Output Current	Description		Applicable Battery Size	Comms	Order #
1-Phase	24 VDC	5A	TRIO3-UPS/1AC/24DC/5/485	NEW	1.2 to 12 Ah	None	1359613
		5A	TRIO3-UPS/1AC/24DC/5/485-USB	NEW	1.2 to 12 Ah	USB	1359612
		10A	TRIO3-UPS/1AC/24DC/10	NEW	4 to 110Ah	None	1359610
		10A	TRIO3-UPS/1AC/24DC/10/485-USB	NEW	1.2 to 110Ah	USB	1359604
3-Phase		20A	TRIO-UPS-2G/1AC/24DC/20		4 to 40 Ah	USB	1105556
		20A	TRIO-UPS-2G/3AC/24DC/20		4 to 40Ah	USB	2906367

Buffer times for your TRIO DC UPS with the following PB energy storage devices: refer to page 13

Select your energy storage device for your TRIO DC UPS here. Example: 10 A is to be buffered for 10 minutes.

TRIO-UPS-2G/1AC/24DC/10 and UPS-BAT/PB/24DC/7AH

Load Current	Buffer Time																								
	Seconds			Minutes														Hours							
	10	15	30	1	2	3	5	6	7	8	9	10	20	30	40	45	50	1	2	3	5	8	10	15	20
1 A																									
2 A																									
3 A																								2x	2x
5 A																							2x	2x	
7 A																					2x	2x	2x		
10 A																					2x	2x			
15 A																			2x	2x					
20 A																			2x	2x					

The data is based on an ambient temperature of +20°C.

UPS Energy Storage Selection Guides (DC UPS Continued)

	TRIO BAT			
				
W x H x D in mm	52 x 141 x 108	115 x 154 x 113	164 x 159 x 114	233 x 159 x 114
Capacity	**1.2 Ah** NEW	**4 Ah** NEW	**7 Ah** NEW	**12 Ah** NEW
Type	TRIO-BAT/PB/24DC/1.2AH	TRIO-BAT/PB/24DC/4AH	TRIO-BAT/PB/24DC/7AH	TRIO-BAT/PB/24DC/12AH
Order #	1394729	1394730	1384031	1394727

Buffer times for TRIO DC UPS with the TRIO battery module

Select the battery module for your TRIO DC UPS here.

Example: 5 A is to be buffered for 10 minutes.

TRIO-UPS-2G/1AC/24DC/5 and TRIO-BAT/PB/24DC/4AH

Load Current	Buffer Time																	
	Minutes													Hours				
	1	2	3	5	7	8	9	10	20	30	40	45	50	1	2	3	5	8	10
1 A																			
2 A																			
3 A																			
5 A																			
7 A																			
10 A																			
15 A																			
20 A																			

The data is based on an ambient temperature of +25°C at start of use.

Uninterruptible Power Supplies (UPS)

Note: Can be connected in parallel for 2kVA Capacity. (See manual for details)





AC Power - 1 kVA Capacity - ONLINE UPS. For use with AC QUINT power supply	
Select UPS	UPS module
What input voltage?	
What output power/current?	
QUINT UPS	
QUINT IQ Technology **State of Charge**: Describes current charging state and remaining runtime **State of Health**: Provides information on the energy storage device life expectancy	

Input Voltage	Output	Description	Order #
120 V AC/230 V AC	120 V AC/230 V AC - 1 kV A	QUINT4-UPS/1 AC/1 AC/1 kV A	2320283

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What type of energy-storage device: VRLA, CAP, or LI-ION?	Energy Storage
How much current does the battery need to supply the system and for how long? See chart below.	

Energy-storage type

VRLA

	UPS-BAT/PB					
						
W x H x D in mm	85 x 191 x 110	135 x 202 x 110	202 x 202 x 110	155 x 168 x 183	333 x 173 x 199	350 x 214 x 332
Capacity	**4 Ah**	**7 Ah**	**12 Ah**	**20 Ah**	**40 Ah**	**110 Ah** NEW
Type	UPS-BAT/PB/ 24DC/4AH	UPS-BAT/PB/ 24DC/7AH	UPS-BAT/PB/ 24DC/12AH	UPS-BAT/PB/ 24DC/20AH	UPS-BAT/PB/ 24DC/40AH	UPS-BAT/PB/ 24DC/110AH
Order #	1274117	1274118	1274119	1348516	1354641	1474660

Buffer times for your QUINT AC UPS/1 kVA with PB battery module:

Select your battery module for your QUINT AC UPS/1 kVA here. You always need two PB battery modules of the same capacity.

Example: 400 W is to be buffered for 50 minutes.

QUINT4-UPS/24DC/24DC/10A and
UPS-BAT/PB/24DC/20AH

Load Current	Buffer Time																								
	Minutes													Hours											
	1	2	3	4	5	8	10	15	20	25	30	40	50	1	1.5	2	3	4	6	9	10	15	20	24	40
100 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x
200 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x		
300 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x				
400 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x				
500 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x						
600 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x						
700 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x							
800 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x							
900 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x							

2x: Here, two battery modules of the same capacity are always required.
The data is based on an ambient temperature of +25°C at start of use.

	UPS-BAT/VRLA-WTR	
		
W x H x D in mm	172 x 177 x 178	358 x 174 x 169
Capacity	**13 Ah**	**26 Ah**
Type	UPS-BAT/VRLA-WTR/24DC/13AH	UPS-BAT/VRLA-WTR/24DC/26AH
Order #	2320416	2320429

Buffer times for your QUINT AC UPS/1KVA with the following energy storage devices: VRLA-WTR

Select your energy storage device for your QUINT AC UPS/1KVA (120 / 230 V application) here. Example: 300 W is to be buffered for three hours.

2x
QUINT4-UPS/1AC/1AC/1KVA and
2 x UPS-BAT/VRLA-WTR/24DC/26AH

Performance	Buffer Time																		
	Minutes													Hours					
	1	2	3	4	5	8	10	15	20	25	30	40	50	1	1.5	2	3	4	6	9
100 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x
200 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x		
300 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x			
400 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x				
500 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x					
600 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x					
700 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x						
800 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x						
900 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x							

2x: There are always two battery modules of the same capacity that are required.
The data is based on an ambient temperature of +25°C at the start of use.

Uninterruptible Power Supplies (UPS)

Download:
Power Supply Solutions Catalogue



AC Power - 1.5 & 2.5 kVA Capacity - ONLINE UPS. For use with AC QUINT power supply

Select UPS

What input voltage?

What output power/current?

UPS Module

QUINT UPS

QUINT IQ Technology
State of Charge: Describes current charging state and remaining runtime
State of Health: Provides information on the energy-storage device life expectancy



Input Voltage	Output	Description	Order #
120 V AC	120 V AC - 1.5 kVA	QUINT-HP-UPS/ 120AC/1.5KVA/PT NEW	1136804
230 V AC	230 V AC - 1.5 kVA	QUINT-HP-UPS/ 230AC/1.5KVA/PT NEW	1136811
120 V AC	120 V AC - 2.5 kVA	QUINT-HP-UPS/ 120AC/2.5KVA/PT NEW	1136813
230 V AC	230 V AC - 2.5 kVA	QUINT-HP-UPS/ 230AC/2.5KVA/PT NEW	1136815

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What type of energy-storage device:

Energy Storage

How much current does the battery need to supply the system and for how long? See chart below.

Energy-Storage Type

QUINT HP-BAT 7Ah

	QUINT HP-UPS	IQ Technology (Designed by Phoenix Contact)	QUINT HP-BAT	QUINT HP-UPS	IQ Technology (Designed by Phoenix Contact)	QUINT HP-BAT
						
W x H x D in mm	150 x 240 x 143	150 x 240 x 143	156.5 x 354 x 143	188 x 240 x 143	188 x 240 x 143	156.5 x 354 x 143
	120 AC / 1.5kVA NEW	230 AC / 1.5kVA NEW	7 Ah NEW	120 AC / 2.5kVA NEW	230 AC / 2.5kVA NEW	7 Ah NEW
No. of battery modules			1x 2x 3x 4x 5x			2x 4x 6x 8x 10x
Type	QUINT-HP-UPS/ 120AC/1.5KVA/PT	QUINT-HP-UPS/ 230AC/1.5KVA/PT	QUINT-HP-BAT/ PB/48DC/7.0AH/PT	QUINT-HP-UPS/ 120AC/2.5KVA/PT	QUINT-HP-UPS/ 230AC/2.5KVA/PT	QUINT-HP-BAT/ PB/48DC/7.0AH/PT
Item no.	1136804	1136811	1133819	1136813	1136815	1133819

Buffer times for QUINT HP UPS/1.5 kVA with Pb battery module:

Select the battery module for your QUINT HP UPS/1.5 kVA (120/230 V application) here.

Example: 1000 W is to be buffered for 15 minutes.

- QUINT-HP-UPS/230AC/1.5KVA/PT
- 2x QUINT-HP-BAT/PB/48DC/7.0AH/PT

Load Current	Buffer Time: Minutes 1	2	3	5	7	8	9	10	15	20	30	40	45	50	Hours 1	2	3	4	5	6	8	9	10	12
100 W	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	2x	2x	3x	3x	4x	4x	5x	5x
250 W	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	1x	2x	2x	2x	3x	4x	5x						
500 W	1x	1x	1x	1x	1x	1x	1x	1x	1x	2x	2x	2x	2x	3x	4x	5x								
800 W	1x	1x	1x	1x	1x	1x	1x	2x	2x	2x	3x	3x	4x	4x	5x									
1000 W	1x	1x	1x	1x	1x	2x	2x	2x	2x	2x	3x	4x	4x	5x										
1150 W	1x	1x	1x	1x	2x	2x	2x	2x	2x	3x	4x	4x	5x											
1350 W	1x	1x	1x	2x	2x	2x	2x	2x	3x	3x	4x	5x												

The data is based on an ambient temperature of +25°C at start of use.

Buffer times for QUINT HP UPS/2.5 kVA with Pb battery module

Select the battery module for your QUINT HP UPS/2.5 kVA (120/230 V application) here.

Example: 1750 W is to be buffered for 45 minutes.

- QUINT-HP-UPS/230AC/2.5KVA/PT
- 8x QUINT-HP-BAT/PB/48DC/7.0AH/PT

Load Current	Buffer Time: Minutes 1	2	3	5	7	8	9	10	15	20	30	40	45	50	Hours 1	2	3	4	5	6	8	9	10
250 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	4x	4x	6x	6x	8x	8x	10x	10x
500 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	4x	4x	4x	6x	8x	10x						
1000 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	4x	4x	4x	6x	8x	10x							
1250 W	2x	2x	2x	2x	2x	2x	2x	2x	4x	4x	4x	6x	6x	6x	8x	10x							
1500 W	2x	2x	2x	2x	2x	2x	2x	4x	4x	4x	6x	6x	6x	8x	10x								
1750 W	2x	2x	2x	2x	2x	2x	4x	4x	4x	4x	6x	8x	8x	8x	10x								
2000 W	2x	2x	2x	2x	2x	4x	4x	4x	4x	4x	6x	8x	8x	10x									
2250 W	2x	2x	2x	2x	4x	4x	4x	4x	4x	6x	8x	10x	10x										

The data is based on an ambient temperature of +25°C at start of use.

AC Power - 750 VA Capacity - OFFLINE UPS with Internal 4AH UPS Battery

For use with AC QUINT Power Supply

Select UPS

What input voltage?

What output power/current?

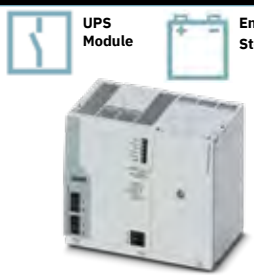
TRIO UPS 1 Phase with USB Interface

TRIO AC UPS with INCLUDED 4AH UPS Battery (Additional External 4AH UPS Battery may also be added for increased capacity)

Input Voltage	Output	Description	Order #
98 - 138 VAC	120 V AC / 750 VA	TRIO-UPS-2G/1AC/1AC/120V/750VA	2905908
184 - 264 VAC	230 V AC / 750VA	TRIO-UPS-2G/1AC/1AC/230V/750VA	2905909

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Additional optional 4AH UPS-BAT/PB/24DC/4AH (1274117) External UPS Battery if required



How much current does the battery need to supply the system and for how long?
See chart below.

Buffer times for TRIO AC UPS:

2x: An additional energy storage device of the same capacity (4 Ah) of type UPS-BAT/PB/24DC/4AH (1274117) is required in this case

	Buffer Time													
	Minutes												Hours	
Performance	1	1.5	2	4	6	8	10	15	20	30	40	50	1	1.5
50 W												2x	2x	2x
100 W										2x	2x	2x		
150 W								2x	2x	2x				
200 W							2x	2x	2x					
250 W						2x	2x	2x						
300 W					2x	2x	2x							
400 W				2x	2x	2x								
500 W			2x	2x	2x									
600 W		2x	2x	2x										

Power Reliability

Surge Protection - Power

FLT-SEC Series



FLT-MB Carbon Spark Gap series

NEW



VAL-SPP Series

NEW



PLT-SEC-T3 Series



Network Type			AS/NZS 1768		Category		Surge Protection Device		Relay Alarm Output	Order #
		Voltage	C	B	A	+ FUSE	Description	Features		
3-Phase	N / E Separated  TN-S / TT	230V / 400V	✓	✓	✓		FLT-MB-T1-264/25-3+1-UT-R	Iimp = 25kA Carbon Spark Gap	✓	1461304
			✓	✓			FLT-SEC-P-T1-3S-264/50-FM	Iimp = 50kA	✓	2909589
			✓	✓		✓	FLT-SEC-H-T1-3C-264/25-FM	Inbuilt SPD Fuse	✓	2905871
							FLT-SEC-P-T1-N/PE-350/100-FM	ADD N-E SPD Module	✓	2905472
			✓	✓			FLT-SEC-P-T1-3S-350/25-FM	Iimp = 25kA / Imax = 100kA	✓	2905421
			✓	✓			FLT-SEC-T1+T2-3S-350/25-FM	T1 and T2 Special SPD	✓	2905470
			✓	✓			VAL-MS-3+1-100-320-A	Imax = 100kA	✓	1274064
			✓	✓			VAL-ME-3+1-100-275-A	Imax = 100kA	✓	1106017
			✓	✓	✓		VAL-MS-3+1-50-275-A	Imax = 50kA	✓	1105734
			✓	✓	✓		VAL-SEC-T2-3S-350-FM	Imax = 40kA / Small Size	✓	2905340
			✓	✓	✓		VAL-MS 230/3+1 FM-PT	Imax = 40kA / Push-in	✓	1248960
			✓	✓	✓		VAL-SPP-T2-275-3+1-UT-R NEW	Imax = 40kA / Low Price	✓	1466214
3-Phase	N-E Combined (MEN)  TN-C	230V / 400V	✓	✓	✓		FLT-MB-T1-264/25-3+1-UT-R	Iimp = 25kA Carbon Spark Gap	✓	1461302
			✓	✓			FLT-SEC-P-T1-3C-264/50-FM	Iimp = 50kA	✓	2907390
			✓	✓		✓	FLT-SEC-H-T1-3C-264/25-FM	Inbuilt SPD Fuse	✓	2905871
			✓	✓			FLT-SEC-P-T1-3C-350/25-FM	Iimp = 25kA / Imax = 100kA	✓	2905419
			✓	✓			FLT-SEC-T1+T2-3C-350/25-FM	T1 and T2 Special SPD	✓	2905469
			✓	✓			VAL-MS-3-100-320-A	Imax = 100kA	✓	1274066
			✓	✓	✓		VAL-MS-3-50-275-A	Imax = 50kA	✓	1105739
			✓	✓	✓		VAL-SEC-T2-3C-350-FM	Imax = 40kA / Small Size	✓	2905339
			✓	✓	✓		VAL-SPP-T2-335-3+0-UT-R NEW	Imax = 40kA / Low Price	✓	1466599
1-Phase	N / E Separated  TN-S / TT	230V	✓		✓		FLT-MB-T1-264/25-1+1-UT-R	Iimp = 25kA Carbon Spark Gap	✓	1461300
			✓	✓			FLT-SEC-P-T1-1S-264/50-FM	Iimp = 50kA	✓	2907388
			✓	✓		✓	FLT-SEC-H-T1-1C-264/25-FM	Inbuilt SPD Fuse	✓	2801615
							FLT-SEC-P-T1-N/PE-350/100-FM	ADD N-E SPD Module	✓	2905472
			✓	✓			FLT-SEC-P-T1-1S-350/25-FM	Iimp = 25kA / Imax = 100kA	✓	2905415
			✓	✓			FLT-SEC-T1+T2-1S-350/25-FM	T1 and T2 Special SPD	✓	2905466
			✓	✓			VAL-MS-1+1-100-320-A	Imax = 100kA	✓	1274067
			✓	✓	✓		VAL-MS-1+1-50-275-A	Imax = 50kA	✓	1105737
			✓	✓	✓		VAL-SEC-T2-1S-350-FM	Imax = 40kA / Small Size	✓	2905341
			✓	✓	✓		VAL-SPP-T2-275-1+1-UT-R NEW	Imax = 40kA / Low Price	✓	1466212
				✓	✓		PLT-SEC-T3-230-FM-PT	Push-in Terminals	✓	2907928
				✓	✓		PLT-SEC-T3-230-FM-UT	Screw Terminals	✓	2907919
					✓		SFP2-1S-1-20A-230AC-UT NEW	EMC Filter plus Surge Protection	✓	1292605
1-Phase	N-E Combined (MEN)  TN-C	230V	✓				FLT-SEC-P-T1-1C-264/50-FM	Iimp = 50kA	✓	2907387
			✓	✓		✓	FLT-SEC-H-T1-1C-264/25-FM	Inbuilt SPD FUSE	✓	2801615
			✓	✓			FLT-SEC-P-T1-1C-350/25-FM	Imax = 100kA	✓	2905414
			✓	✓			FLT-SEC-T1+T2-1C-350/25-FM	Special T1 & T2	✓	2905465
			✓	✓			VAL-MS-1-100-320-A	Imax = 100kA	✓	1274072
			✓	✓	✓		VAL-MS-1-50-275-A	Imax = 50kA	✓	1105740
			✓	✓	✓		VAL-SPP-T2-275-1+0-UT-R NEW	Imax = 40kA / Low Price	✓	1466210
DC	24VDC +/-/GND	24V DC			✓		PLT-SEC-T3-24-FM-PT	Push-in 26A	✓	2907925
					✓		PLT-SEC-T3-24-FM-UT	Screw-in 26A	✓	2907916
					✓		TTC-6P-T3-24DC-PT-I	Push-in 6A	OPT.	1027586
					✓		TTC-6P-T3-24DC-UT-I	Screw-in 6A	OPT.	1027584

Surge Protection: Measurement, Control, and Regulation (MCR)

Power Reliability

Learn more: MCR Configurator

Download: Surge Protection Catalogue

What type of signal? Floating (e.g., Analogue 4-20mA / 0-10V / Relay etc), Common Reference (e.g., Digital), Antenna, or Data		
Do you require a Push-in, Screw, RJ45, or D-Sub (9 pin) connection?	What is the Voltage or Frequency - Data Rate you require?	
What is the Voltage or Frequency - Data Rate you require?	What width do you require?	Do you need a Direct or Floating (Indirect) Ground?
Pluggable or Non-Pluggable SPD?	Do you require SPD monitoring ? None, Local, or Remote (Single or Dual Stage)?	Resulting Phoenix Contact part number

TERMITRAB Complete (TTC)

Signal	Connection	Voltage	Type	Width (mm)	Ground	Design	Monitoring	Description	Order #	TERMITRAB Complete (TTC)
Optional Remote Signalling Set	Screw	10-36 VDC	FMRS	6.2mm x 2	Direct	NA	Remote Relay	TTC-6-FMRS-UT	2907811	
	Push-in			6.2mm x 2		NA	Remote Relay	TTC-6-FMRS-PT	2907811	
Floating (Analogue / Loop / Relay Contact)	Screw	12 VDC	1X2	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-1X2-12DC-UT-I	2908192	
		24 VDC	1X2	6.2mm	Direct	Non-Pluggable	None	TTC-6-1X2-24DC-UT	2906798	
		24 VDC	1X2	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-1X2-24DC-UT-I	2906809	
		24 VDC	1X2	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-1X2-F-24DC-UT-I	1065317	
		48 VDC	1X2	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-1X2-48DC-UT-I	2908194	
	Push-in	5 VDC	3	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-3-5DC-PT-I	1061385	
		12 VDC	1X2	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-1X2-12DC-PT-I	2908193	
		24 VDC	1X2	3mm	Direct	Non-Pluggable	None	TTC-3-1X2-24DC-PT	2907325	
		24 VDC	1X2	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-1X2-F-24DC-PT-I	1065318	
		24VDC	2X2	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-2X2-24-PT-I NEW	1334595	
		48 VDC	1X2	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-1X2-48DC-PT-I	2908195	
Common Reference (Digital)	Screw	12 VDC	2X1	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-2X1-12DC-UT-I	2908201	
		24 VDC	2X1	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-2X1-24DC-UT-I	2906810	
		24 VDC	2X1	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-2X1-F-24DC-UT-I	1065319	
		48 VDC	2X1	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-2X1-F-48DC-UT-I	2908208	
	Push-in	24 VDC	2X1	3mm	Direct	Non-Pluggable	None	TTC-3-2X1-24DC-PT	2907326	
		24 VDC	2X1	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-2X1-F-M-24DC-PT-I	2906794	
		24 VDC	4X1	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-4X1-24-PT-I NEW	1334594	
		48 VDC	2X1	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-2X1-48DC-PT-I	2908204	
Data (1 Mbps)	Screw	12 VDC	HF	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-3-HF-M-12DC-UT-I	2906744	
		12 VDC	HF	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-3-HF-F-M-12DC-UT-I	2906786	
	Push-in	12 VDC	HF	6.2mm	Direct	Pluggable	Local (Flag)	TTC-6P-3-HF-M-24DC-PT-I	2906756	
		12 VDC	HF	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-3-HF-F-M-24DC-PT-I	2906797	
1 Mbps	Screw	12 VDC	HF	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-3-APL-24DC-UT-I NEW	1635592	
High Current (6A)	Screw	24 VDC	HC	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-2-HC-M-24DC-UT-I	2906743	
	Push-in	24 VDC	HC	6.2mm	Floating	Pluggable	Local (Flag)	TTC-6P-2-HC-M-24DC-PT-I	2906755	
Add-on Fuse Holder	Screw	60 VDC	6.3A max	6.2mm	N/A	5x20mm Fuse	N/A	TTC-6-FC-UT	1054762	

Coaxial Surge Protection (CN)

Signal	Connection	Voltage	Frequency	Current	Ground	Design	Monitoring	Description	Order #	Coaxial (CN)
Coaxial / Antenna	N-Connector Socket - Socket	70 VDC	6dB	10A	Direct	Non-replaceable	None	CN-UB-70DC-6-BB	2803166	
		280 VDC	3dB	5A	Direct	Replaceable GDT	None	CN-UB-280DC-3-BB	2801050	
		<55 Vp	380-470 MHz	5A	Direct	Non-replaceable	None	CN-LAMBDA/4-0.47-BB	2800021	
		<18 Vp	0.8-2.25 GHz	5A	Direct	Non-replaceable	None	CN-LAMBDA/4-2.25-BB	2801057	
		<11 Vp	2.4-7.6 GHz	5A	Direct	Non-replaceable	None	CN-LAMBDA/4-5.9-BB	2838490	

DATA / Communication Surge Protection (DT)

Signal	Connection	Voltage		Current	Ground	Design	Monitoring	Description	Order #	Data (DT)
CAT6+ / 10 Gbps	RJ45	<3.3 VDC / 60 VDC PoE++		1.5A	Direct	Non-replaceable	None	DT-LAN-CAT.6+	2881007	
CAT 5-6 / 1 Gbps	RJ45	<5 VDC / 57 VDC PoE+		1.5A	Direct	Non-replaceable	None	D-LAN-CAT.5-HC	2800763	
VDSL & Analogue / 50 Mbps	RJ45/12/11 & Screw	185 VDC / 130 VAC		380mA	Direct	Non-replaceable	None	DT-TELE-RJ45	2882925	
RS-485	D-SUB (9 Pin)	12 VDC		380mA	Direct	Non-replaceable	None	DT-UFB-485/BS	2920612	
RS-485	Push-in	12 VDC	HF	600mA	Floating	Pluggable	Local (Flag)	TTC-6P-3-HF-F-M-24DC-PT-I	2906797	
RS-485	Screw	12 VDC	HF	600mA	Floating	Non-Pluggable	Local (Flag)	TTC-6-3-HF-F-M-12DC-UT-I	2906769	

Power Reliability

Circuit Breakers: Industrial and Device

Thermal-magnetic miniature circuit breakers (MCBs)
(For AC and DC industrial use only)

Do you require 7.5kA or 10kA SSC Rating?					
How many poles are required?					
What trip-curve characteristic is required?					
What current rating is required?					
Resulting Phoenix Contact part number					
TMC 7 Series: Thermal-Magnetic Industrial Miniature Circuit Breakers (MCB's)					
SSC	**# of poles**	**Trip curve**	**Current rating**	**Type description**	**Order #**
7.5kA	1	B	10A	TMC 71B 10A	1019916
			20A	TMC 71B 20A	1019921
			32A	TMC 71B 32A	1019924
		C	1A	TMC 71C 01A	1019972
			6A	TMC 71C 06A	1019977
			10A	TMC 71C 10A	1019980
			16A	TMC 71C 16A	1019984
			20A	TMC 71C 20A	1019985
			32A	TMC 71C 32A	1019988
			40A	TMC 71C 40A	1019989
			50A	TMC 71C 50A	1019990
			63A	TMC 71C 63A	1019992
		D	10A	TMC 71D 10A	1020045
			20A	TMC 71D 20A	1020052
			32A	TMC 71D 32A	1020055
			50A	TMC 71D 50A	1020057
			63A	TMC 71D 63A	1020059
	2	C	6A	TMC 72C 06A	1019999
			10A	TMC 72C 10A	1020002
	3	C	10A	TMC 73C 10A	1020023
			20A	TMC 73C 20A	1020028
			32A	TMC 73C 32A	1020031
			50A	TMC 73C 50A	1020033
			63A	TMC 73C 63A	1020036
		D	20A	TMC 73D 20A	1020097
			32A	TMC 73D 32A	1020100
	1, 2, 3	B, C, D	1-63A sizes not listed above	TMC 7XX XXA	Contact Sales
10kA	1,2,3	B,C,D	1-63A	TMC 8XX XXA	Contact Sales



TMC 7-Series



TMC 8-Series

Both TMC 7 Series (7.5kA) and TMC 8 Series (10kA) available in Current Ratings 1-63A, B-C-D Trip Curves and 1-2-3 Poles (table shows only a small selection of most common sizes)

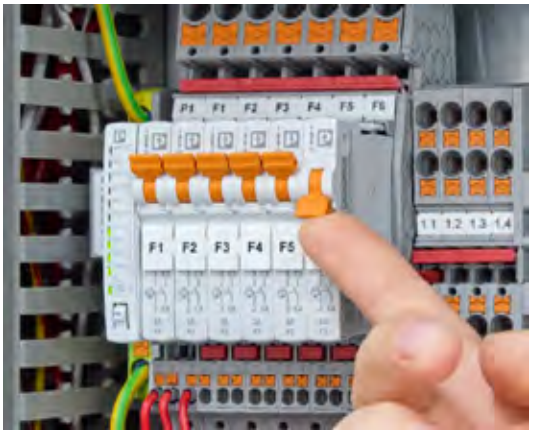
Please contact customer service or your local Sales Rep for other specific sizes / types if required

Full range of accessories available - BUSBARS, AUX CONTACT, ALARM CONTACT, SHUNT TRIPS, LOCK-OUTS etc.

Download:
Device Circuit Breakers Catalogue

COMING SOON:

The compact PTCB TM device circuit breakers



Advantages of the PTCB TM systemic device circuit breakers

- More space in the control cabinet: protection and signaling in an overall width of just 8 mm
- Simple application setup with the capability of bridging to the CLIPLINE complete terminal block range
- Transparency regarding utilization and status with practical current monitoring and remote signaling
- Easy handling from commissioning right through to maintenance due to clear functionality and switching state at all times

Learn more:
PTCB TM Device Circuit Breakers

Electronic Circuit Breakers (ECBs)

CBM-E8

CBMC



Electronic Circuit Breakers Module (CBM)				
Channels	Amp	Function	Description	Order #
4	0.5-10A	Full feature/function model	CBM E4 24DC/0.5-10A NO-R	2905743
8	0.5-10A	Full feature/function model	CBM E8 24DC/0.5-10A NO-R	2905744

Electronic Circuit Breakers Module Compact (CBMC)				
Channels	Amp	Function	Description	Order #
4	1-4A	Remote reset version	CBMC E4 24DC/1-4A S-R	1065727
4	1-10A	Remote reset version	CBMC E4 24DC/1-10A S-R	1065729
4	1-4A	Status output version	CBMC E4 24DC/1-4A NO	2906031
4	1-10A	Status output version	CBMC E4 24DC/1-10A NO	2906032
4	1-4A	I/O link version	CBMC E4 24DC/1-4A+ IOL	2910410
4	1-10A	I/O link version	CBMC E4 24DC/1-10A IOL	2910411
4	1-8A	Galvanically isolated version	CBMC EG4 24DC/1-8A NO	1065730

Single Channel Electronic Circuit Breakers (PTCB)							
Channels	Volts (DC)	Amp	Adjustable	Description	Order #	Status Output	Reset Input
1	24	1-4A	✓	PTCB E1 24DC/1-4A SI-R	1135753	✓	✓
1	24	1-8A	✓	PTCB E1 24DC/1-8A SI-R	1135752	✓	✓
1	24	1A		PTCB E1 24DC/1A SI-R	1135751	✓	✓
1	24	2A		PTCB E1 24DC/2A SI-R	1135749	✓	✓
1	24	4A		PTCB E1 24DC/4A SI-R	1135745	✓	✓
1	24	6A		PTCB E1 24DC/6A SI-R	1135740	✓	✓
1	24	8A		PTCB E1 24DC/8A SI-R	1135734	✓	✓
1	24	1-3A	✓	PTCB E1 24DC/1-3A NO	2909909	Relay NO	
1	24	1-4A	✓	PTCB E1 24DC/1-4A NO	2908261	Relay NO	
1	24	1-8A	✓	PTCB E1 24DC/1-8A NO	2908262	Relay NO	
1	24	1-8A	✓	PTCB E1 24DC/1-8A NO2 NEW	1388391	Relay NC	
1	24	1A		PTCB E1 24DC/1A NO	2909902	Relay NO	
1	24	2A		PTCB E1 24DC/2A NO	2909903	Relay NO	
1	24	3A		PTCB E1 24DC/3A NO	2909904	Relay NO	
1	24	4A		PTCB E1 24DC/4A NO	2909906	Relay NO	
1	24	6A		PTCB E1 24DC/6A NO	2909908	Relay NO	
1	24	8A		PTCB E1 24DC/8A NO	2909910	Relay NO	

PTCB and PTCB "eFuse"



Single Channel Electronic Circuit Breakers "e-FUSE" (PTCB e-fuse) - 12 and 24 VDC							
Channels	Volts (DC)	Amp	Adjustable	Description	Order #	Status Output	Reset Input
1	12 - 24	0.1 - 0.63A	✓	PTCB E1 24DC/0.1-0.63A SI-R NEW	1441496	✓	✓
1	12 - 24	0.1A		PTCB E1 24DC/0.1A SI-R NEW	1464483	✓	✓
1	12 - 24	0.2A		PTCB E1 24DC/0.2A SI-R NEW	1361049	✓	✓
1	12 - 24	0.5A		PTCB E1 24DC/0.5A SI-R NEW	1361051	✓	✓
1	12 - 24	0.63A		PTCB E1 24DC/0.63A SI-R NEW	1464485	✓	✓
1	12 - 24	0.1 - 0.63A	✓	PTCB E1 24DC/0.1-0.63A NO NEW	1441495	Relay NO	
1	12 - 24	0.1A		PTCB E1 24DC/0.1A NO NEW	1464484	Relay NO	
1	12 - 24	0.2A		PTCB E1 24DC/0.2A NO NEW	1361055	Relay NO	
1	12 - 24	0.5A		PTCB E1 24DC/0.5A NO NEW	1361051	Relay NO	
1	12 - 24	0.63A		PTCB E1 24DC/0.63A NO NEW	1464486	Relay NO	

Single Channel Electronic Circuit Breakers (PTCB) - 48 VDC							
Channels	Volts (DC)	Amp	Adjustable	Description	Order #	Status Output	Reset Input
1	48	1 - 6A	✓	PTCB E1 48DC/1-6A NO NEW	1471917	Relay NO	
1	48	2A		PTCB E1 48DC/2A NO NEW	1471918	Relay NO	

TRIO3 Power Supplies with inbuilt Electronic Circuit Breakers

(With included IO-Link communication)

NEW



Power supply

AC Input to DC Output

IO-Link

Phase	Output Voltage	Output Current	Channels	Channel Current	Description		Connection Technology	Order #
1	24 VDC	10A	4	1-10A	TRIO3-PS/1AC/24DC/10/4C/IOL	NEW	Push-In	1252696
1	24 VDC	20A	8	1-10A	TRIO3-PS/1AC/24DC/20/8C/IOL	NEW	Push-In	1252697
3	24 VDC	20A	8	1-10A	TRIO3-PS/1AC/24DC/20/8C/IOL	NEW	Push-In	1362791
3	24 VDC	40A	8	1-10A	TRIO3-PS/1AC/24DC/40/8C/IOL	NEW	Push-In	1362792

Watch:
Live Trio3 PS + ECB Demo

TRIO-PM

(Panel Mount Power Supply)



Power supply

AC Input to DC Output

Phase	Output Voltage	Output Current	Description		Connection Technology	Order #
1	24 VDC	62.5A	TRIO-PM/1AC/24DC/1500W/PT	NEW	Push-In	1635197
		104A	TRIO-PM/1AC/24DC/2500W/PT	NEW	Push-In	1635195
		104A	TRIO-PM/1AC/24DC/2500W	NEW	Screw	1635194
	48 VDC	31.25A	TRIO-PM/1AC/48DC/1500W/PT	NEW	Push-In	1739009
		52A	TRIO-PM/1AC/48DC/2500W/PT	NEW	Push-In	1738960

Power Reliability

CAPAROC: Modular Electronic Circuit Breaker System

(For 12V and 24V device use)

PROFINET EtherNet/IP IO-Link Modbus EtherCAT



Power Modules



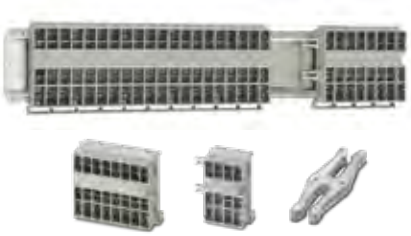
PD 0V



- Choose your required power module - Basic, IO-LINK, or Profinet Comms
- Select your length of current rails for the DIN mounting (based on 6.2mm = 1 slot wide)
- What circuit breaker modules do you require - 4 channel, 2 channel, or 1 channel?
- Do you want a 0V DC distribution module?
- Resulting Phoenix Contact part number

CAPAROC Power Module (Mandatory Item)

Comms	Voltage	Width	Description	Order #
Basic	12 - 24 VDC	2 slots	CAPAROC PM S-R	1115661
IO-LINK			CAPAROC PM IOL	1110986
Profinet		4 slots	CAPAROC PM PN	1110986
Ethernet / IP		4 slots	CAPAROC PM EIP NEW	1393553
Modbus/TCP		4 slots	CAPAROC PM MB NEW	1687559
EtherCat		4 slots	CAPAROC PM EC NEW	1687560



Current Rails and Extensions

CAPAROC Current Rails (TOTAL CURRENT = 45A) (Mandatory Item)

Size	Voltage	Width		Type	Description	Order #
CR8	12 - 24 VDC	8 Slots	49.6mm	Standard	CAPAROC CR 8	1115672
CR20		20 Slots	124mm	Standard	CAPAROC CR 20	1110989
CR4-EXT		4 Slots	24.8mm	Extension	CAPAROC CR EXT4	1110991
CR8-EXT		8 Slots	49.6mm	Extension	CAPAROC CR EXT8	1110990
CR20-EXT		20 Slots	124mm	Extension	CAPAROC CR EXT20	1115674
CR-CON		N/A	N/A	Connector	CAPAROC CR CON	1270955

CAPAROC Electronic Circuit Breaker Modules

Channels	Current Rating	Voltage	Width	Description	Order #
4	1-10A	12 - 24 VDC	2 Slots	CAPAROC E4 12-24DC/1-10A	1115658
4	1-4A		2 Slots	CAPAROC E4 12-24DC/1-4A	1115657
2	2-10A		2 Slots	CAPAROC E2 12-24DC/2-10A	1110984
2	1-4A		2 Slots	CAPAROC E2 12-24DC/1-4A	1115655
1	1-10A		1 Slot	CAPAROC E1 12-24DC/1-10A	1115649
1	1-4A		1 Slot	CAPAROC E1 12-24DC/1-4A	1115415
1	10A		1 Slot	CAPAROC E1 12-24DC/10A	1157284
1	8A		1 Slot	CAPAROC E1 12-24DC/8A	1157279
1	6A		1 Slot	CAPAROC E1 12-24DC/6A	1157286
1	4A		1 Slot	CAPAROC E1 12-24DC/4A	1157285
1	2A		1 Slot	CAPAROC E1 12-24DC/2A	1157290
1	1A		1 Slot	CAPAROC E1 12-24DC/1A	1157288
1	12-20A		1 Slot	CAPAROC E1 12-24DC/12-20A NEW	1115663
1	12A		1 Slot	CAPAROC E1 12-24DC/12A NEW	1524929
1	16A		1 Slot	CAPAROC E1 12-24DC/16A NEW	1115666



4 Channel 2 Channel



1 Channel

CAPAROC 0 VDC Distribution Module

Module	Voltage	Width	Description	Order #
Distribution	12 - 24 VDC	1 Slot	CAPAROC PD 0V	1110987

Terminal Blocks

CLIPLINE Complete: All Connection Methods - One System

- Complete flexibility: Terminal blocks with different connection technologies can be freely combined
- Cost savings: Thanks to uniform bridging, marking, and test accessories



Disconnect zone:
- Standardised disconnect zones
- Accommodates connectors, such as fuse plugs, component connectors, and isolating plugs





Plug-in zone:
- Time-saving and modular configuration
- Standardized plug-in zone



Test plugs:
- Reliable contacting of the test plugs with a 4 mm diameter
- Modular pluggable test points



Fuse plugs:
- Pluggable 5x20 mm cartridge glass fuses
- Plugs available with LED indication
- Common markers between terminals and fuses



Plug-in bridging:
- Tool-free installation
- 2-50 position bridges
- Different colour options available
- Common between termination types
- Removable teeth for skip-bridging

What connection style best fits your application?	**Will you be bridging terminals?**
What wire size are you using? What is your current (Amps) requirement?	**Resulting Phoenix Contact part number**
How many connection points?	**What accessories are needed?**
How many end covers are needed?	

Push-in Technology (PT)

mm²	I (nom)	Connections	Description	Order #	End Cover	Bridge (2-Position)	Marking			
							Thermomark Card / Prime		Bluemark ID	
							Side	Top	Side	Top
1.5	17.5 A	2	PT 1,5/S	3208100	3208142	3213014 FBS 2-3,5	0829486 UCT-TMF 3,5	0829484 UCT-TM 3,5	0829486 UCT-TMF 3,5	0829484 UCT-TM 3,5
	-		PT 1,5/S BU	3208126						
	-		PT 1,5/S-PE	3208139						
2.5	24 A		PT 2,5	3209510	3030417	3030161 FBS 2-5	0828744 UCT-TMF 5	0828734 UCT-TM 5	0818153 UC-TMF 5	0818108 UC-TM 5
	-		PT 2,5-PE	3209536						
	24 A	3	PT 2,5-TWIN	3209549	3030488					
	-		PT 2,5-TWIN-PE	3209565						
	24 A	4	PT 2,5-QUATTRO	3209578	3030514					
	-		PT 2,5-QUATTRO-PE	3209594						
4	32 A	2	PT 4	3211757	3030420	3030336 FBS 2-6	0828746 UCT-TMF 6	0828736 UCT-TM 6	0818140 UC-TMF 6	0818085 UC-TM 6
	-		PT 4-PE	3211766						
	6.3 A		PT 4-HESI (5X20 FUSE)	3211861						
	32 A	3	PT 4-TWIN	3211771	3208977					
	-		PT 4-TWIN-PE	3211780						
	32 A	4	PT 4-QUATTRO	3211797	3208979					
	-		PT 4-QUATTRO-PE	3211809						
6	41 A	2	PT 6	3211813	3212044	3030284 FBS 2-8	0828748 UCT-TMF 8	0828740 UCT-TM 8	0818137 UC-TMF 8	0818072 UC-TM 8
	-		PT 6-PE	3211822						
10	57 A		PT 10	3212120	3212057	3005947 FBS 2-10	0829204 UCT-TMF 10	0829142 UCT-TM 10	0818124 UC-TMF 10	0818069 UC-TM 10
	-		PT 10-PE	3212131						
16	76 A		PT 16 N	3212138	3212060	3005950 FBS 2-12	0829214 UCT-TMF 12	0829144 UCT-TM 12	0819233 UC-TMF 12	0819194 UC-TM 12
	-		PT 16 N-PE	3212147						



- Simple push-in spring ideal for solid and ferruled wires
- Tool-free termination
- 50 percent lower insertion force
- Orange push button permits easy conductor release using any type of tool, without direct contact with live parts
- Uniformed Push-in Technology available on thousands of Phoenix Contact parts

Multi-level Terminal Blocks

2.5	22 A	4	PTTB 2,5	3210567	3211634	3030161 FBS 2-5	0828744 UCT-TMF 5		0818153 UC-TMF 5	
	-		PTTB 2,5-PE	3210596						
	20 A	6	PT 2,5-3L	3210499	3211647					
	-		PT 2,5-3PE	3210525						
	18 A	8	PT 2,5-4L	1334599	1336340					
	-		PT 2,5-4PE	1336413						
4	28 A	4	PTTB 4	3211786	3030462	3030336 FBS 2-6	0828746 UCT-TMF 6		0818140 UC-TMF 6	
	-		PTTB 4-PE	3211854						

Push-in Technology Vertical (PTV)

2.5	24 A	2	PTV 2,5	1078960	1088746	3030161 FBS 2-5	0828734 UCT-TM 5		0818108 UC-TM 5	
	-		PTV 2,5-PE	1078963						
4	32 A		PTV 4	1088728	1088746	3030336 FBS 2-6	0828736 UCT-TM 6		0818085 UC-TM 6	
	-		PTV 4-PE	1088730						
6	41 A		PTV 6	1116734	1180894	3030286 FBS 2-8	0828740 UCT-TM 8		0818072 UC-TM 8	
	-		PTV 6-PE	1116736						



- Easy and tool-free wiring of conductors with ferrules or solid conductors
- Compact design and front connection enable wiring in a confined space

What connection style best fits your application?	Will you be bridging terminals?
What wire size are you using? What is your current (Amps) requirement?	Resulting Phoenix Contact part number
How many connection points?	What accessories are needed?
How many end covers are needed?	

Screw Technology (UT)

mm²	I (nom)	Connections	Description	Order #	End Cover	Bridge (2-Position)	Marking			
							Thermomark Card / Prime		Bluemark ID	
							Side	Top	Side	Top
1.5	17.5 A	2	UT 1,5	1452265	3047028	3030116 FBS 2-4	0828742 UCT-TMF 4	0828732 UCT-TM 4	0818166 UC-TMF 4	0818111 UC-TM 4
	-		UT 1,5 BU	1452264						
	-		UT 1,5-PE	1452318						
2.5	24 A		UT 2,5	3044076	3047028	3030161 FBS 2-5	0828734 UCT-TM 5		0818108 UC-TM 5	
	-		UT 2,5 BU	3044089						
	-		UT 2,5-PE	3044092						
	24 A	3	UT 2,5-TWIN	3044513	3047141					
	-		UT 2,5-TWIN BU	3044526						
	-		UT 2,5-TWIN-PE	3044539						
	24 A	4	UT 2,5-QUATTRO	3044542	3047170					
	-		UT 2,5-QUATTRO BU	3044555						
	-		UT 2,5-QUATTRO-PE	3044568						
4	32 A	2	UT 4	3044102	3047028	3030336 FBS 2-6	0828736 UCT-TM 6		0818085 UCT-TM 6	
	-		UT 4 BU	3044115						
	-		UT 4-PE	3044128						
	6.3 A		UT 4-HESI (5X20 FUSE)	3046032	-					
			UT 4-HESILED 24 (5X20 FUSE)	3046090	-					
	32 A	3	UT 4-TWIN	3044364	3047141					
	-		UT 4-TWIN BU	3044500						
	-		UT 4-TWIN-PE	3044380						
	32 A	4	UT 4-QUATTRO	3044571	3047170					
	-		UT 4-QUATTRO BU	3044584						
	-		UT 4-QUATTRO-PE	3044597						
6	41 A	2	UT 6	3044131	3047028	3030284 FBS 2-8	0828740 UCT-TM 8		0818072 UC-TM 8	
	-		UT 6 BU	3044144						
	-		UT6-PE	3044157						
10	57 A		UT 10	3044160		3005947 FBS 2-10	0829142 UCT-TM 10		0818069 UC-TM 10	
	-		UT 10 BU	3044188						
	-		UT10-PE	3044173						
16	76 A		UT 16	3044199	3047206	3005950 FBS 2-12	0829144 UCT-TM 12		0819194 UC-TM 12	
	-		UT 16 BU	3044209						
	-		UT16-PE	3044212						
Multi-level Terminal Blocks										
2.5	24 A	4	UTTB 2,5	3044636	3047293	3030161 FBS 2-5	0828734 UCT-TM 5		0818108 UC-TM 5	
	-		UTTB 2,5-PE	3044665						
	19 A	6	UT 2,5-3L	3214259	3214314					
	-		UT 2,5-3PE	3214275						
4	30 A	4	UTTB 4	3044814	3047293	3030336 FBS 2-6	0828736 UCT-TM 6		0818085 UCT-TM 6	
	-		UTTB 4-PE	3044759						
Push-X Technology (XT)										
2.5	24 A	2	XT 2,5	1343106	3030417	3030161 FBS 2-5	0828744 UCT-TMF 5	0828734 UCT-TM 5	0818153 UC-TMF 5	0818108 UC-TM 5
	-		XT 2,5 BU	1343114						
	-		XT 2,5-PE	1343116						
	24 A		XT 2,5-TWIN	1343117	3030488					
	-		XT 2,5-TWIN BU	1343121						
	-		XT 2,5-TWIN-PE	1343126						
	24 A		XT 2,5-QUATTRO	1343129	3030514					
	-		XT 2,5-QUATTRO BU	1343130						
	-		XT 2,5-QUATTRO-PE	1343137						
Multi-level Terminal Blocks										
2.5	22 A	4	XTTB 2,5	1453789	3211634	3030161 FBS 2-5	0828744 UCT-TMF 5	0828734 UCT-TM 5	0818153 UC-TMF 5	0818108 UC-TM 5
	-		XTTB 2,5-PE	1453897						
Push-X Technology Vertical (XTV)										
6	41 A	2	XTV 6	1329493	1329515	3030284 FBS 2-8	0828740 UCT-TM 8		0818072 UC-TM 8	
	-		XTV 6 BU	1329494						
	-		XTV 6-PE	1329495						
	41 A	3	XTV 6-TWIN	1329499	1329516					
	-		XTV 6-TWIN BU	1329506						
	-		XTV 6-TWIN-PE	1329507						
	41 A	4	XTV 6-QUATTRO	1329511	1329517					
	-		XTV 6-QUATTRO BU	1329512						
	-		XTV 6-QUATTRO-PE	1329513						
10	57 A	2	XTV 10	1329547	1329608	3005947 FBS 2-10	0829142 UCT-TM 10		0818069 UC-TM 10	
	-		XTV 10 BU	1329549						
	-		XTV 10-PE	1329550						
	57 A	3	XTV 10-TWIN	1329603	1329609					
	-		XTV 10-TWIN BU	1329605						
	-		XTV 6-TWIN-PE	1329606						
16	76 A	2	XTV 16	1329672	1329675	3005950 FBS 2-12	0829144 UCT-TM 12		0819194 UC-TM 12	
	-		XTV 16 BU	1329673						
	-		XTV 16-PE	1329674						
Bolt (Ring-lug) Technology (RT)										
2.5	24 A	2	RT 3	3049013	3049097	3030336 FBS 2-6	0828740 UCT-TM 8		0818072 UC-TM 8	
6	41 A		RT 5	3049026		3030284 FBS 2-8	0829144 UCT-TM 12		0819194 UC-TM 12	
35	125 A		RT 8	3049042	3049194	3005947 FBS 2-10	0829146 UCT-TM 16		0819217 UC-TM 16	



- Universal multi-wire connection with highest pullout force
- Save money with uniform bridging, marking, and accessories as part of the Clipline Complete system
- Maintenance-free conductor connection with the Reakdyn® principle – there is no need to tighten the terminal block screws



- Direct wiring without force or tools with a pre-tensioned contact spring.
- Enables the connection of all types of conductors, whether rigid or flexible, with or without ferrules.



- Enable the easy connection of ring and fork-type cable lugs.

Terminal Blocks for Energy

ME series

- Test disconnect terminal blocks in CLIPLINE style
- Switch, short-circuit, measure and disconnect safely and conveniently



Functionality:
- Advanced performance with up to six universal function shafts for potential distribution and testing.

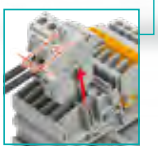




Compatibility:
- A single set of standard accessories for all connection types, complementing the CLIPLINE complete range.



Design:
- Modular style for current transformer and measuring transducer switching with plug-in transformer terminal blocks.

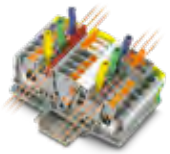


Reliability:
- Protection of connected current transformers and measuring transducers with plug versions with integrated leading short-circuit contact.



Identification:
- Ensures clear visibility of switching states for accurate and safe operation.

What connection style best fits your application?	**Will you be bridging terminals?**
What wire size are you using? What is your current (Amps) and voltage (Volts) requirement?	**Resulting Phoenix Contact part number**
How many connection points?	**What accessories are needed?**
How many end covers are needed?	

mm2	I (nom)	V (nom)	Connections	Description	Colour	Order #	End Cover	Bridge (2-Position)	Marking: Thermomark Card / Prime Side	Marking: Thermomark Card / Prime Top	Marking: Bluemark ID Side	Marking: Bluemark ID Top	
Push-in Technology (PT)													
4	24 A	500 V	2	PTME 4		3212139	3212167	3030336 FBS 2-6	0828746 UCT-TMF 6	0828736 UCT-TM 6	0818140 UC-TMF 6	0818085 UC-TM 6	 Push-in connection featuring the classic orange push button for quick, easy, and reliable wiring.
				PTME 4 BU		3212148							
				PTME 4 RD		3212143							
				PTME 4 WH		3212140							
				PTME 4 BG		1754667							
	32 A			PTMED 4		3212141							
	-	-		PTMED 4-PE		3212154							
6	30 A	500 V	2	PTME 6		3212170	3034426	3030284 FBS 2-8	0828748 UCT-TMF 8	0828740 UCT-TM 8	0818137 UC-TMF 8	0818072 UC-TM 8	 The pluggable “CT” versions feature plugs with an integrated short-circuit mechanism.
		1000 V		PTME 6 HV		3035696							
				PTME 6 HV BU		3035695							
	41 A			PTMED 6		3212183							
	-	-		PTMED 6-PE		3212196							
	30 A	500 V		PTME 6-CT/1P		3212300	3212303						
				PTMED 6-CT/1P		3212301							
	-	-		PTMED 6-CT/1P-PE		3212302							
Push-in Technology Vertical (PTV)													
6	30 A	1000 V	2	PTVME 6/S		1164788	1164789	3030284 FBS 2-8	0828748 UCT-TMF 8	0828740 UCT-TM 8	0818137 UC-TMF 8	0818072 UC-TM 8	 Push-in technology with side entry option.
				PTVME 6/S BU		1350428							
				PTVME 6/S RD		1350427							
				PTVME 6/S GN		1350426							
				PTVME 6/S YE		1350425							
				PTVME 6/S-P		1166809							
				PTVME 6/S-P BU		1350424							
				PTVME 6/S-P RD		1350423							
				PTVME 6/S-P GN		1350422							
				PTVME 6/S-P YE		1350421							
Push-X Technology Vertical (XTV)													
6	30 A	800 V	2	XTVMEA 6		1446173	1447809	3030284 FBS 2-8	0828748 UCT-TMF 8	0828740 UCT-TM 8	0818137 UC-TMF 8	0818072 UC-TM 8	 • Push-X technology with a “make-before-break” mechanism.
				XTVMEA 6 BN		1754666							
	41 A			XTVMED 6		1446172							
	-	-		XTVMED 6-PE		1446171							
Screw Technology (UT)													
4	28 A	500 V	2	UTME 4		3047452	3047491	3030336 FBS 2-6	0828746 UCT-TMF 6	0828736 UCT-TM 6	0818140 UC-TMF 6	0818085 UC-TM 6	 ME series terminal blocks in classic screw type.
				UTME 4 BG		1348765							
	32 A			UTMED 4		3047465							
	-	-		UTMED 4-PE		3047478							
	28 A	500 V		UTME 4-P/P		3047453							
				UTME 4-P/P BU		3047454							
				UTME 4-CT/1P		3057432	3057445						
6	30 A	500 V		UTME 6		3047400	3047426	3030284 FBS 2-8	0828740 UCT-TM 8		0818072 UC-TM 8		
				UTME 6 BN		1098640							
	41 A			UTMED 6		3047413							
	-	-		UTMED 6-PE		3047442							
Spring-cage Technology (ST)													
6	30 A	500 V	2	STME 6		3035700	3034426	3030284 FBS 2-8	0828748 UCT-TMF 8	0828740 UCT-TM 8	0818137 UC-TMF 8	0818072 UC-TM 8	
	41 A	1000 V		STMED 6		3035713							
	-	-		STMED 6-PE		3035726							
URTK/S (Screw technology - not part of the ME series)													
6	41 A	400 V	2	URTK/S		311087	0310020	3030284 FBS 2-8	0828740 UCT-TM 8		0818072 UC-TM 8		
				URTK/S RD		311812							
				URTK/S GN		3070118							

What connection style best fits your application?	What colour is needed?
What wire size are you using? What is your current (Amps) requirement?	Resulting Phoenix Contact part number
How many connection points?	

Push-in (PTFIX 4/1.5)

mm2	I (max)	Connections	Colour	Description	Order #
4	41	19	Grey	PTFIX 4/18X1,5-NS35 GY	1047454
			Blue	PTFIX 4/18X1,5-NS35 BU	1047455
			Red	PTFIX 4/18X1,5-NS35 RD	1047456
			Brown	PTFIX 4/18X1,5-NS35 BN	1047457
			Green	PTFIX 4/18X1,5-NS35 GN	1047458
			Yellow	PTFIX 4/18X1,5-NS35 YE	1047459
			Black	PTFIX 4/18X1,5-NS35 BK	1047460
			White	PTFIX 4/18X1,5-NS35 WH	1047461
			Violet	PTFIX 4/18X1,5-NS35 VT	1047462
			Orange	PTFIX 4/18X1,5-NS35 OG	1047463
			Pink	PTFIX 4/18X1,5-NS35 PK	1047464
			Black/Yellow	PTFIX 4/18X1,5-NS35-FE	1047465



Push-in (PTFIX 6/2.5)

mm2	I (max)	Connections	Colour	Description	Order #
6	57	19	Grey	PTFIX 6/18X2,5-NS35 GY	3273110
			Blue	PTFIX 6/18X2,5-NS35 BU	3273112
			Red	PTFIX 6/18X2,5-NS35 RD	3273114
			Brown	PTFIX 6/18X2,5-NS35 BN	3273120
			Green	PTFIX 6/18X2,5-NS35 GN	3273118
			Yellow	PTFIX 6/18X2,5-NS35 YE	3273116
			Black	PTFIX 6/18X2,5-NS35 BK	3273124
			White	PTFIX 6/18X2,5-NS35 WH	3273122
			Violet	PTFIX 6/18X2,5-NS35 VT	3273126
			Orange	PTFIX 6/18X2,5-NS35 OG	3273128
			Pink	PTFIX 6/18X2,5-NS35 PK	3273127
			Black/Yellow	PTFIX 6/18X2,5-NS35-FE	3273130



Push-in (PTFIX 10/4)

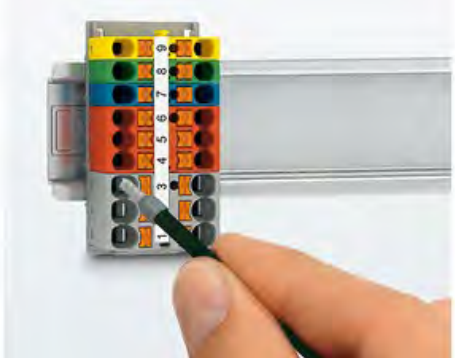
mm2	I (max)	Connections	Colour	Description	Order #
10	63	19	Grey	PTFIX 10/18X4-NS35 GY	3273636
			Blue	PTFIX 10/18X4-NS35 BU	3273638
			Red	PTFIX 10/18X4-NS35 RD	3273640
			Brown	PTFIX 10/18X4-NS35 BN	3273646
			Green	PTFIX 10/18X4-NS35 GN	3273644
			Yellow	PTFIX 10/18X4-NS35 YE	3273642
			Black	PTFIX 10/18X4-NS35 BK	3273650
			White	PTFIX 10/18X4-NS35 WH	3273648
			Violet	PTFIX 10/18X4-NS35 VT	3273652
			Orange	PTFIX 10/18X4-NS35 OG	3273654
			Pink	PTFIX 10/18X4-NS35 PK	3273653
			Black/Yellow	PTFIX 10/18X4-NS35-FE	3273656



- Ready-to-use blocks for fast assembly without manual bridging, offering time savings of up to 80%
- Flexible setup in your application, thanks to various mounting options: DIN rail mounting, direct mounting, or adhesive mounting
- Space savings of up to 50% on the DIN rail, thanks to transverse mounting
- Colour-coded assignment of conductors and terminal points for intuitive and safe installation with eleven colours
- Time-saving pre-treated and rigid conductor connection, thanks to tool-free push-in direct connection technology
- Alignment without any loss of pitch and flexible potential extension using standard plug-in bridges



Eleven colour options available



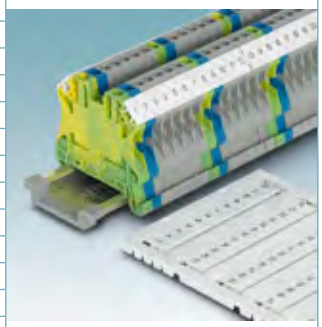
Time saving push-in technology

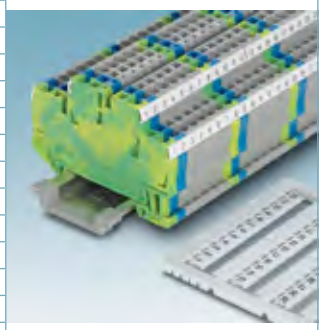


Easy to bridge

Marking

Terminal Marking						
Order #	Description	Thermomark Card 2.0	Thermomark Prime 2.0	Bluemark ID	Bluemark ID Colour	Topmark Neo
0829484	UCT-TM 3,5	✓	✓	✓	✓	✓
0828734	UCT-TM 5	✓	✓	✓	✓	✓
0828736	UCT-TM 6	✓	✓	✓	✓	✓
0828740	UCT-TM 8	✓	✓	✓	✓	✓
0829142	UCT-TM 10	✓	✓	✓	✓	✓
0829144	UCT-TM 12	✓	✓	✓	✓	✓
0829146	UCT-TM 16	✓	✓	✓	✓	✓
0818108	UC-TM 5			✓	✓	
0818085	UC-TM 6			✓	✓	
0818072	UC-TM 8			✓	✓	
0818069	UC-TM 10			✓	✓	
0819194	UC-TM 12			✓	✓	
0819217	UC-TM 16			✓	✓	
0829486	UCT-TMF 3,5	✓	✓	✓	✓	✓
0828744	UCT-TMF 5	✓	✓	✓	✓	✓
0828746	UCT-TMF 6	✓	✓	✓	✓	✓
0828748	UCT-TMF 8	✓	✓	✓	✓	✓
0829204	UCT-TMF 10	✓	✓	✓	✓	✓
0829214	UCT-TMF 12	✓	✓	✓	✓	✓
0829218	UCT-TMF 16	✓	✓	✓	✓	✓
0818153	UC-TMF 5			✓	✓	
0818140	UC-TMF 6			✓	✓	
0818137	UC-TMF 8			✓	✓	
0818124	UC-TMF 10			✓	✓	
0819233	UC-TMF 12			✓	✓	
0819262	UC-TMF 16			✓	✓	





Wire/Cable						
Order #	Description	Thermomark Card 2.0	Thermomark Prime 2.0	Bluemark ID	Bluemark ID Colour	Topmark Neo
0801430	UCT-WMT (10X4)	✓	✓	✓	✓	✓
0801438	UCT-WMT (12X4)	✓	✓	✓	✓	✓
0801446	UCT-WMT (15X4)	✓	✓	✓	✓	✓
0801462	UCT-WMT (18X4)	✓	✓	✓	✓	✓
0801453	UCT-WMT (23X4)	✓	✓	✓	✓	✓
0801422	UCT-WMT (30X4)	✓	✓	✓	✓	✓
0819372	UC-WMT (10X4)			✓	✓	
0823517	UC-WMT (12X4)			✓	✓	
0819398	UC-WMT (15X4)			✓	✓	
0820293	UC-WMT (18X4)			✓	✓	
0819411	UC-WMT (23X4)			✓	✓	
0801422	UC-WMT (30X4)			✓	✓	
0828765	US-WMT (10X4)	✓	✓	✓	✓	
0828766	US-WMT (12X4)	✓	✓	✓	✓	
0828767	US-WMT (15X4)	✓	✓	✓	✓	
0828768	US-WMT (18X4)	✓	✓	✓	✓	
0828769	US-WMT (23X4)	✓	✓	✓	✓	
0828770	US-WMT (30X4)	✓	✓	✓	✓	



Wire/Cable Sleeves						
Conductor Diameter	10 mm	12 mm	15 mm	18 mm	23 mm	30 mm
0.6-1.2 mm	PATG 0/10 1013795	PATG 0/12 0827076	PATG 0/15 1013740	PATG 0/18 0820507	PATG 0/23 0828046	
1.5-2.5 mm	PATG 1/10 1013805	PATG 1/12 0827077	PATG 1/15 1013025	PATG 1/18 0820510	PATG 1/23 1013847	PATG 1/30 0822440
2-4 mm	PATG 2/10 1013818	PATG 2/12 0827078	PATG 2/15 1013038	PATG 2/18 0820523	PATG 2/23 1013850	PATG 2/30 0822453
4-7 mm	PATG 3/10 1013821	PATG 3/12 0827079	PATG 3/15 1013041	PATG 3/18 0820536	PATG 3/23 1013863	PATG 3/30 0822466
6-10 mm		PATG 4/12 0827080	PATG 4/15 1013054	PATG 4/18 0820549	PATG 4/23 0808011	PATG 4/30 0822479
10-14 mm			PATG 5/15 1013067	PATG 5/18 0828059	PATG 5/23 0808024	PATG 5/30 0822482
14-22 mm			PATG 6/15 1013070	PATG 6/18 0828062	PATG 6/23 0808037	
22-30 mm			PATG 7/15 1013083		PATG 7/23 0808040	
30-35 mm			PATG 8/15 1013096		PATG 8/23 0808053	
35-45 mm			PATG 9/15 1013106			



Printing

- How to select a printer
- What are you marking and with what material: CARD or ROLL material?
- How many labels do you need to print: volume?
- Do you need a desktop or mobile printer: size?

NOTE: Card printers require magazine that matches the card material

Printing Solutions

Material	Volume	Size	Description	Order #
Card and Sheet	Manual Feed	Desktop	THERMOMARK CARD 2.0	1085267
Card and Sheet	Manual Feed	Desktop and Portable	THERMOMARK Prime 2.0	1472413
Roll	< 50,000 Labels/yr.	Desktop	THERMOMARK Roll 2.0	1085260
Roll	> 50,000 Labels/yr.	Large/Desktop	THERMOMARK E.300D	1287038
Cartridge	Low	Handheld	THERMOMARK GO.K	1184146
Cartridge	Low	Handheld	THERMOMARK GO.K SET	1184148
Cartridge	Low	Portable	THERMOMARK GO	1090747
Cartridge	Low	Portable	THERMOMARK GO SET	1221548



Print Ribbon

Printer	Print Materials	Width (mm)	Length (mm)	Description	Order #
Thermomark Roll 2.0 Thermomark E Series	TML..., WML..., WML HF..., WML-FLAG..., EML..., EML-ESD..., EML-RM..., EML-HA..., EMLS..., EMLC..., EMLP... and PMM...	110	300	THERMOMARK-RIBBON 110	5145384
	WMS... and WMS-2 HF...	64	300	THERMOMARK-RIBBON 64-WMSU	0801360
	WMS... and WMS-2 HF...	110	300	THERMOMARK-RIBBON 110-WMSU	0801358
	WMTB HF..., WMS-2 HF..., TMT..., EMT..., EMLF..., PML-...	110	300	THERMOMARK-RIBBON 110-WMTB HF	5148007
	EML-HT...	110	300	THERMOMARK-RIBBON 110-EML-HT	0800342
Thermomark Card 2.0	UCT..., US..., and UM...	110	300	THERMOMARK-RIBBON 110-TC	0801371
Thermomark Prime 2.0	UCT..., US..., and UM...	110	70	TMP-RIBBON 110 BK 100	0803374
	US(2)-TM(F)..., US-TM(F)L..., US-WMTB..., US-EML..., US-EML(S)P..., US-EMLP-HA..., US-EM(S)P..., US-EML-RS...	110	60	TMP-RIBBON 110 BK 101	0803714





Print Ribbon

Printer	Description	Width/Diameter	Length (m)	Description	Order #
Thermomark GO and Thermomark GO.K	Shrink Sleeve, White, Black Printing, 3:1 ratio	Cable Diameter 1-3.2 mm	1.8m	MM-WMS 3,2 (EX5)R C1 WH/BK	0803923
		Cable Diameter 1.6-4.8 mm		MM-WMS 4,8 (EX9)R C1 WH/BK	0803924
		Cable Diameter 2.1-6.4 mm		MM-WMS 6,4 (EX10)R C1 WH/BK	0803925
		Cable Diameter 3.2-9.5 mm		MM-WMS 9,5 (EX16)R C1 WH/BK	0803926
	Fabric Label, White, Black Printing, Adhesive	10 mm	6m	MM-EMLC (EX10)R C1 WH/BK	0803933
		18 mm		MM-EMLC (EX18)R C1 WH/BK	0803936
	Label, White, Black Printing, Adhesive	10 mm	8m	MM-EML (EX10)R C1 WH/BK	0803970
		12 mm		MM-EML (EX12)R C1 WH/BK	0803971
		18 mm		MM-EML (EX18)R C1 WH/BK	0803972
		24 mm		MM-EML (EX24)R C1 WH/BK	0803973
	Label, White, Black Printing, Highly Flexible, Adhesive	10 mm	8m	MM-EMLF (EX10)R C1 WH/BK	0803937
		12 mm		MM-EMLF (EX12)R C1 WH/BK	0803938
		18 mm		MM-EMLF (EX18)R C1 WH/BK	0803939
		24 mm		MM-EMLF (EX24)R C1 WH/BK	0803940
	Label, Yellow, Black Printing, Highly Flexible, Adhesive	10 mm	8m	MM-EMLF (EX10)R C1 YE/BK	0803941
		12 mm		MM-EMLF (EX12)R C1 YE/BK	0803942
		18 mm		MM-EMLF (EX18)R C1 YE/BK	0803943
		24 mm		MM-EMLF (EX24)R C1 YE/BK	0803944

Installation

What do you use to cut conductors, cables, and cable binders?

Do you ferrule wires? What size wire are you crimping?

What do you use to strip wires and multi-conductor cables?

What tools do you need to terminate conductors?

Installation

Cut

Function	Conductor Size	Description	Order #
Cable-Cutting Tool	Up to 35 mm²	CUTFOX 12	1212128
Cable-Cutting Tool	Up to 50 mm²	CUTFOX 18	1212129
Cable Tie Tool	For plastic cable ties 2.2-4.8 mm wide, up to 1.6 mm thick	UNIFOX-CT 4,8P	1212609
Cable Tie Tool	For steel cable ties up to 7.9 mm wide, up to 0.3 mm thick	UNIFOX-CT 7,9M	1212610
1000V Rated Insulation			
Combination Plier	VDE 1000V AC/1500V DC 180mm	UNIFOX-C VDE	1212202
Side Cutter	VDE 1000V AC/1500V DC 160mm	CUTFOX-S VDE	1212207
Side Cutter	VDE 1000V AC/1500V DC 200mm	CUTFOX-SP VDE	1212206
Cable Cutting Tool	Up to 16mm2 VDE 1000V AC/1500V DC 160mm	CUTFOX 16 VDE	1212126
Long Nose Plier	VDE 1000V AC/1500V DC 170mm	UNIFOX-P VDE	1212204

Cut



Strip

Single conductor

Function	Conductor Size	Cable Type	Description	Order #
Self-Adjusting Stripping Tool	0.1-4 mm²	Especially for rubber and silicone insulation	WIREFOX 4	1212156
Self-Adjusting Stripping Tool	1.5-6 mm²	Especially for cables protected against short circuits and ground leakages	WIREFOX 6SC	1212158
Self-Adjusting Stripping Tool	0.02-10 mm²		WIREFOX 10	1212150
Multi-Conductor				
Strips Sensor/Actuator Cables	Diameter 4.4-7 mm	Sensor/Actuator cables with PUR and PVC insulation	WIREFOX SAC	1212623
Strips Multi-Conductor Cables	Diameter 2.5-11 mm, up to 1 mm insulation	Multicore signal, control, and fiberglass wires	WIREFOX-D 11	1212160
Strips Large, Multi-Conductor Cables	Diameter 4.5-40 mm, up to 4.5 mm insulation		WIREFOX-D 40	1212161

Strip



Crimp

Crimping Tools

Conductor Size	Crimp Shape	Description	Order #
0.14-6 mm²	Square	CRIMPFOX CENTRUS 6S	1213144
0.14-10 mm²	Square	CRIMPFOX CENTRUS 10S	1213154
0.14-10 mm²	Trapezoid	CRIMPFOX DUO 10	1031721

Crimp



Assemble

Assembling Tools

Tool	Description	Order #
Torque Screw Driver, Manual, Accuracy as per EN ISO 6789 Standard, Adjustable from 0.3 - 1.2 Nm	TSD-M 1,2NM	1212224
Torque Screw Driver, Manual, Accuracy as per EN ISO 6789 Standard, Adjustable from 1.2 - 3 Nm	TSD-M 3NM	1212225
Torque Screw Driver, Manual, Accuracy as per EN ISO 6789 Standard, Adjustable from 3 - 6 Nm	TSD-M 6NM	1212226
Micro Screwdriver, Flat Blade, Size: 0.4 x 2.0 mm x 60 mm Long Shaft, 2-Component Grip, with Non-Slip Grip and Twist Cap	SZS 0,4X2,0	1205202
Actuation Tool, for ST Terminal Blocks, also Suitable for Use as a Bladed Screwdriver, Size: 0.6 x 3.5 x 100 mm, 2-Component Grip, with Non-Slip Grip	SZF 1-0,6X3,5	1204517
Bit Screwdriver Set with Quick-Action Chuck, 17 Pieces of 89 mm Length Slotted, Crosshead (PZ and PH), Hex and Torx® bits	SF-M SET	1212543
Bit Screwdriver Set with Quick-Action Chuck, 17 Pieces of 89 mm Length Slotted, Crosshead, Hex and Torx® bits	SF-M SET 2	1212756
Cordless Screwdriver in Case, Including Battery, Charging Device 100-240 V, 2 bits, Two-Speed Gearbox, Forward/ Reverse Running and 16-Stage Clutch Up to 450 rpm, Hexagonal Fast Connection.	SF-ASD 16 SET	1200295
Offset Screwdriver Set, Hex, Metric, SW 1.5; 2; 2.5; 3; 4; 5; 6; 8, and 10 mm, with Ball Head, Matt Chrome-Plated, 9-art, in Practical Holder	SF-LHEX SET	1212544
Tape measure, 5 m	MEASURING TAPE 5M	1200298
Actuation Tool, for all 2.5 mm2 - 4.0 mm2 spring cages	ST-BW	1207608
Screwdrivers 7 piece, VDE-insulated, Flat blade 0.6 x 3.5, 0.8 x 4.0, 1.0 x 5.5; Phillips PH1 , PH2; Pozidriv® + bladed PZSL 1, PZSL 2	SF-SL/PH/PZ-SL SET S-VDE	1212701

Assemble



Cable Termination

Ferrules

Bootlace Ferrules

Size	Colour	Standard Pack	Description	Order #
0.5 x 8 mm	White	100	AI 0,5-8 WH	3200014
0.75 x 8 mm	Blue	100	AI 0,75-8 BU	3200027
0.75 x 12 mm	Grey	100	AI 0,75-12 GY	3200849
1 x 8 mm	Red	100	AI 1-8 RD	3200030
1 x 12 mm	Red	100	AI 1-12 RD	3200674
1.5 x 8 mm	Black	100	AI 1,5-8 BK	3200043
1.5 x 18 mm	Black	100	AI 1,5-18 BK	3200056
2.5 x 8 mm	Blue	100	AI 2,5-8 BU	3200522
2.5 x 8 mm	Grey	100	AI 2,5-8 GY	3200069
2.5 x 18 mm	Blue	100	AI 2,5-18 BU	3200580
4 x 10 mm	Grey	100	AI 4-10 GY	3200535
4 x 18 mm	Grey	100	AI 4-18 GY	3200593
6 x 12 mm	Green	100	AI 6-12 GN	3200108
6 x 18 mm	Green	100	AI 6-18 GN	3200111
Twin 0.5 x 8 mm	White	100	AI-TWIN 2X 0,5-8 WH	3200933
Twin 0.75 x 12 mm	Grey	100	AI-TWIN 2X 0,75-10 GY	3200975
Twin 1 x 10 mm	Red	100	AI-TWIN 2X 1-10 RD	3200988
Twin 1.5 x 12 mm	Black	100	AI-TWIN 2X 1,5-12 BK	3200991
Twin 2.5 x 13 mm	Blue	100	AI-TWIN 2X 2,5-13 BU	3200878
0.5 x 8 mm	White	1000	AI 0,5-8 WH-B	3201369
0.75 x 8 mm	Blue	1000	AI 0,75-8 BU-B	3201547
0.75 x 8 mm	Grey	1000	AI 0,75-8 GY-B	3201372
1 x 8 mm	Red	1000	AI 1-8 RD-B	3201385
1.5 x 8 mm	Black	1000	AI 1,5-8 BK-B	3201398
2.5 x 8 mm	Blue	500	AI 2,5-8 BU-B	3201408
2.5 x 8 mm	Grey	500	AI 2,5-8 GY-B	3201550

Ferrules



Insulated Lugs

Ring Insulated Lugs

Conductor Size	Colour	Ring Size	Standard Pack	Description	Order #
0.5 - 1.5	Red	M3	100	C-RCI 1,5/M3	3240016
0.5 - 1.5	Red	M4	100	C-RCI 1,5/M4	3240018
0.5 - 1.5	Red	M6	100	C-RCI 1,5/M6	3240020
1.5 - 2.5	Blue	M3	100	C-RCI 2,5/M3	3240021
1.5 - 2.5	Blue	M4	100	C-RCI 2,5/M4	3240023
1.5 - 2.5	Blue	M6	50	C-RCI 2,5/M6	3240025
4 - 6	Yellow	M4	50	C-RCI 6/M4	3240027
4 - 6	Yellow	M6	25	C-RCI 6/M6	3240029
4 - 6	Yellow	M8	25	C-RCI 6/M8	3240030



Fork Insulated Lugs

Conductor Size	Colour	Fork Size	Standard Pack	Description	Order #
0.5 - 1.5	Red	3mm	100	C-FCI 1,5/M3	3240032
0.5 - 1.5	Red	4mm	100	C-FCI 1,5/M4	3240034
0.5 - 1.5	Red	6mm	100	C-FCI 1,5/M6	3240036
1.5 - 2.5	Blue	3mm	100	C-FCI 2,5/M3	3240037
1.5 - 2.5	Blue	4mm	100	C-FCI 2,5/M4	3240039
1.5 - 2.5	Blue	6mm	50	C-FCI 2,5/M6	3240041
4 - 6	Yellow	4mm	50	C-FCI 6/M4	3240042
4 - 6	Yellow	6mm	25	C-FCI 6/M6	3240044
4 - 6	Yellow	8mm	25	C-FCI 6/M8	3240045



Cable Management

Cable Ties and Cable Tie Base

Cable Ties

Width	Length	Standard Pack	Description	Order #
2.5mm	98mm	100	WT-UV HF 2,5x98 BK	3240831
3.6mm	140mm	100	WT-UV HF 3,6x140 BK	3240832
3.6mm	200mm	100	WT-UV HF 3,6x200 BK	3240833
4.5mm	200mm	100	WT-UV HF 4,5x200 BK	3240834
7.8mm	365mm	100	WT-UV HF 7,8x365 BK	3240837



Cable Tie Bases

Width	Length	Standard Pack		Description	Order #
19mm	19mm	Black	100	WT-BASE LS HF 4 BK	3240707
19mm	19mm	Transparent	100	WT-BASE LS HF 4	3240706
27mm	27mm	Black	100	WT-BASE LS HF 6 BK	3240709
27mm	27mm	Transparent	100	WT-BASE LS HF 6	3240708

Cable Duct and DIN Rail

Cable Duct

Height (mm)	Width (mm)	Length (m)	Colour	Quantity Per Box	Description	Order #
25 mm	25 mm	2m	Gray	36	CD 25x25 CN	1566323
40 mm	25 mm	2m	Gray	24	CD 25x40 CN	1566326
60 mm	25 mm	2m	Gray	16	CD 25x60 CN	1566328
80 mm	25 mm	2m	Gray	20	CD 25x80 CN	1566329
40 mm	40 mm	2m	Gray	20	CD 40x40 CN	1566314
60 mm	40 mm	2m	Gray	16	CD 40x60 CN	1566315
80 mm	40 mm	2m	Gray	16	CD 40x80 CN	1566316
100 mm	40 mm	2m	Gray	10	CD 40x100 CN	1566313
40 mm	60 mm	2m	Gray	12	CD 60x40 CN	1566308
60 mm	60 mm	2m	Gray	12	CD 60x80 CN	1566309
80 mm	60 mm	2m	Gray	12	CD 60x80 CN	1566310
100 mm	60 mm	2m	Gray	10	CD 60x100 CN	1566306
60 mm	80 mm	2m	Gray	12	CD 80x60 CN	1566304
80 mm	80 mm	2m	Gray	8	CD 80x80 CN	1566305
100 mm	80 mm	2m	Gray	8	CD 80x100 CN	1566301
80 mm	100 mm	2m	Gray	4	CD 100x80 CN	1566300
100 mm	100 mm	2m	Gray	4	CD 100x100 CN	1566293



DIN Rail

Length (m)	Quantity Per Box	Description	Long Description	Order #
2m	10	NS 35/7,5 PERF 2000MM	Steel, Galvanized, Passivated with a Thick Layer	0843103
2m	10	NS 35/7,5 UNPERF 2000MM	Steel, Galvanized, Passivated with a Thick Layer	0843101
2m	10	NS 35/15 PERF 2000MM	Steel, Galvanized, Passivated with a Thick Layer	0843113
2m	10	NS 35/15 UNPERF 2000MM	Steel, Galvanized, Passivated with a Thick Layer	0843112
2m	10	NS 15 PERF 2000MM	Steel, Galvanized, Passivated with a Thick Layer	1401682



DIN Rail Accessories

Quantity Per Box	Description	Long Description	Order #
100	NS 35/ 7,5 CAP	DIN Rail End Piece, for DIN Rail NS 35/7.5	1206560
100	NS 35/ 15 CAP	DIN Rail End Piece, for DIN Rail NS 35/15	1206573
50	CLIPFIX 35	Quick Mounting End Clamp for NS 35/7,5 DIN Rail or NS 35/15 DIN Rail	3022218
50	CLIPFIX 35-5	Quick Mounting End Clamp for NS 35/7,5 DIN Rail or NS 35/15 DIN Rail	3022276
10	E/AL-NS 35	Aluminium End Clamp, for NS35 Fixed with 2 Screws	1201662
50	E/NS 35 N	End Clamp for NS 35/7,5 DIN Rail or NS 35/15 DIN Rail	0800886
50	CLIPFIX 15	Quick Mounting End Clamp for NS 15	3022263



DIN Rail and Cable Duct Cutters

Description	Long Description	Order #
PPS COMPACT	Profile cutter for cutting standard DIN rails NS 35/7,5 and NS 35/15 to length (see 1105211 for measuring bar)	1104980
PPS COMPACT/SCALE-SET I/M	Measuring bar version: inches/metric	1105211
PPS BASIC I/M	Profile cutter for cutting standard DIN rails to length, NS 15 / NS 35/7,5 / NS 35/15, and for cutting the NLS-CU 3/10 neutral busbar to length, with inch/metric measuring rail	1207585
PPS STANDARD M	Profile cutter for cutting and stamping holes in standard DIN rails, NS 32 / NS 35/7,5 / NS 35/15, and for cutting the NS 15 and NLS-CU 3/10 neutral busbar to length. Can accommodate 2 stamping bits, with metric measuring rail, delivered without stamping bits	1206175
PPS CLASSIC M	Profile cutter for cutting to length and stamping holes in standard DIN rails, NS 32 / NS 35/7,5 / NS 35/15, and for cutting the NS 15 and NLS-CU 3/10 neutral busbar to length. Can accommodate 2 stamping bits, bits easily exchangeable, with metric measuring rail, delivered without stamping bits	1206243
PPS CD M	Cable duct cutter for burr-free cutting cable ducts and their covers. can be used up to a width of 125 mm	1207569
CUTFOX-CD	Cable duct cutter, for cutting plastic cable ducts, covers, and profiles, 45° limit stop also for bevel cuts, 75 mm cutting length	1212474

PPS BASIC I/M



PPS CD M



CUTFOX-CD



Interposing Relays

What application or load are you switching: electromechanical or solid state?	What connection technology: screw terminal (UT) or push-in (PT)?
What is the input-coil voltage: DC or AC?	Which kind of specialty relays: hazardous location, sensor/actuator, filter base?
What is your output current (Amps)? (Ratings are for resistive loads)	Resulting Phoenix Contact part number
How many sets of contacts do you need: SPDT, DPDT, etc.?	What accessories are needed?

Electromechanical Relays

Input-Coil Voltage	Output Current	Sets of Contacts	Termination Style	Description	Order #
12 V DC	6 A	SPDT - 6.2 mm	Screw	PLC-RSC-12 DC/21	2966906
			Push-in	PLC-RPT-12 DC/21	2900316
		DPDT - 14 mm	Screw	PLC-RSC-12 DC/21-21	2967235
			Push-in	PLC-RPT-12 DC/21-21	2900329
24 V DC	50 mA	SPDT - 6.2 mm	Screw	PLC-RSC-24 DC/21AU	2966265
			Push-in	PLC-RPT-24 DC/21AU	2900306
	6 A	SPDT - 6.2 mm	Screw	PLC-RSC-24 DC/21	2966171
			Push-in	PLC-RPT-24 DC/21	2900299
		DPDT - 14 mm	Screw	PLC-RSC-24 DC/21-21	2967060
			Push-in	PLC-RPT-24 DC/21-21	2900330
		SPDT 6.2 mm	Screw	PLC-RSC- 24DC/ 1/ACT	2966210
		SPDT 6.2 mm	Screw	PLC-RSC- 24DC/ 1AU/SEN	2966317
	10 A	SPDT - 14 mm	Screw	PLC-RSC-24 DC/21HC	2967620
			Push-in	PLC-RPT-24 DC/21HC	2900291
24 V AC or DC	6 A	SPDT - 6.2 mm	Screw	PLC-RSC-24UC/21	2966184
			Push-in	PLC-RPT-24UC/21	2900300
		DPDT - 14 mm	Screw	PLC-RSC-24UC/21-21	2967073
			Push-in	PLC-RPT-24UC/21-21	2900332
230 V AC	6 A	SPDT - 6.2 mm	Screw	PLC-RSC-230UC/21	2966207
		SPDT - 6.2 mm	Push-in	PLC-RPT-230UC/21	2900305
		DPDT - 14 mm	Screw	PLC-RSC-230UC/21-21	2967099

PLC relay assembly with electromechanical relay



Solid State Relays

5 V DC	3 A	NO ONLY - 6.2 mm	Screw	PLC-OSC-5 DC/24 DC/2/ACT	2980144
			Push-in	PLC-OPT-5 DC/24 DC/2/ACT	2900375
24 V DC	100 mA	NO ONLY - 6.2 mm	Screw	PLC-OSC-24 DC/ 48 DC/100	2966728
			Push-in	PLC-OPT-24 DC/ 48 DC/100	2900352
	3 A	NO ONLY - 6.2 mm	Screw	PLC-OSC-24 DC/ 24 DC/2	2966634
			Push-in	PLC-OPT-24 DC/24 DC/2	2900364
120 V AC or DC	3 A	NO ONLY - 6.2 mm	Screw	PLC-OSC-120UC/24 DC/2	2966650
			Push-in	PLC-OPT-120UC/24 DC/2	2900355

PLC Relay Assembly with Solid State Relay



Note: AC outputs also available

Triple-rated, hazardous location relays (more options available, please enquire)

12 V DC	6 A	SPDT - 6.2 mm	Screw	PLC-RSC-12 DC/21/EX	2909522
			Screw	PLC-RSC-12 DC/21-21/EX	2909517
	10 A	SPDT - 14 mm	Screw	PLC-RSC-12 DC/21/HC/EX	2909518
24 V DC	6 A	SPDT - 6.2 mm	Screw	PLC-RSC-24 DC/21/EX	2909524
			Push-in	PLC-RPT-24 DC/21/EX	2909528
		DPDT - 14 mm	Screw	PLC-RSC-24 DC/21-21/EX	2909509
			Push-in	PLC-RPT-24 DC/21-21/EX	2909514
230 V AC		SPDT 6.2 mm	Screw	PLC-RSC-230UC/21/EX	2909526
		DPDT 14 mm	Screw	PLC-RSC-230UC/21-21/EX	2909512
	10 A	DPDT 14 mm	Screw	PLC-RSC-230UC/21HC/EX	2909521



Note: Additional coil voltages and connection technology options are available

Specialty

120 V AC/DC	6 A	SPDT - 6.2 mm	Screw	PLC-RSC-120UC/21/SO46	5603593

Note: Other specialty relays available (manual switch, force-guided, filter, high-density, DC motor control, etc.)

Replacement Parts

Mechanical Relays

Input-Coil Voltage	Output Current	Sets of Contacts	Description	Order #
12 V DC	6 A	SPDT - 6.2 mm	REL-MR-12 DC/21	2961150
24 V DC	6 A	SPDT - 6.2 mm	REL-MR-24 DC/21	2961105
		DPDT - 14 mm	REL-MR-24 DC/21-21	2961192
230 V AC	8 A	SPDT - 16 mm	REL-MR-230AC/21-21	2961451
	16 A		REL-MR-230AC/21HC/MS	2987914
	8A		REL-MR-230AC/21-21/MS	2987972



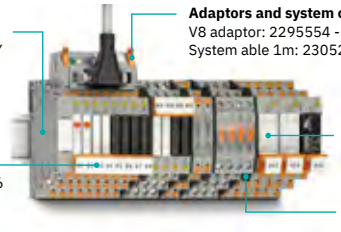
Solid-State Relays

5 V DC	3 A	SPST - 6.2 mm	OPT-5 DC/24 DC/2	2967989
24 V DC	3 A	SPST - 6.2 mm	OPT-24 DC/24 DC/2	2966595
60 V AC	3 A	SPST - 6.2 mm	OPT-60 DC/24 DC/2	2966605



Potential Distribution
2966508 - PLC-ESK GY

Terminal marking
6.2 mm wide: 0828736
14 mm: 0829144



Adaptors and system cabling
V8 adaptor: 2295554 - PLC-V8/FLK14/OUT
System able 1m: 2305253 - CABLE-FLK14/OE/0,14/100

Wide range of solutions
Over 600 standard and specialty relay solutions

Partition plate
2966841 - PLC - ATP-BK

PLC Relay Bridging

Easily bridge relays together with plug-in bridging – no tools required.
Available in 2 positions or in continuous pieces for cutting to custom length.

Colour	2-Pos	500 mm
Red	2966236	2966786
Blue	2966812	2966692
Gray	2966825	2966838



General Purpose and Pluggable Relays

- What application or load are you switching: electromechanical or solid state?
- What is the input coil voltage: DC or AC?
- What is your output current (Amps)?
- How many sets of contacts do you need? SPDT, DPDT, etc.
- What accessories are needed?

RIF Slimline relays

	Input Voltage	Output Current	Sets of Contacts	Termination Style	Description	Order #
RIF-0	12 V DC	6 A	NO only	Push-in	RIF-0-RPT-12DC/ 1	2903362
	24 V DC	6 A	NO only	Push-in	RIF-0-RPT-24DC/ 1	2903361
RIF-1	12 V DC	11 A	SPDT	Push-in	RIF-1-RPT-LDP-12DC/1X21	2906224
		8 A	DPDT	Push-in	RIF-1-RPT-LDP-12DC/2X21	2906223
	24 V DC	11 A	SPDT	Push-in	RIF-1-RPT-LDP-24DC/1X21	2903342
		8 A	DPDT	Push-in	RIF-1-RPT-LDP-24DC/2X21	2903334
		50 mA	DPDT	Push-in	RIF-1-RPT-LDP-24DC/2X21AU	2903330
	230 V AC	10A	1PDT	Push-in	RIF-1-RPT-LV-230AC/1X21	2903339
		8A	2PDT	Push-in	RIF-1-RPT-LV-230AC/2X21	2903331

RIF Ice-Cube Relays

	Input Voltage	Output Current	Sets of Contacts	Termination Style	Description	Order #
RIF-2	24 V DC	10 A	2PDT	Push-in	RIF-2-RPT-LDP-24DC/2X21	2903315
		6 A	4PDT	Push-in	RIF-2-RPT-LDP-24DC/4X21	2903308
	230 V AC	5 A	4PDT	Push-in	RIF-2-RPT-LV-230AC/4X21	2903304
RIF-3	24 V DC	8.5 A	3PDT	Push-in	RIF-3-RPT-LDP-24DC/3X21	2903294
	230 V AC	6 A	3PDT	Push-in	RIF-3-RPT-LV-230AC/3X21	2903292
RIF-4	24 V DC	10 A	3PDT	Push-in	RIF-4-RPT-LDP-24DC/3X21	2903278
	230 V AC	8 A	3PDT	Push-in	RIF-4-RPT-LV-230AC/3X21	2903276

Note: Many additional contact arrangement and coil voltage options exist.



RIF-0
6.2 mm wide
66 mm tall
Lowest profile of all relays



RIF-1
16 mm wide
75 mm tall
Pin contacts



RIF-2
31 mm wide
75 mm tall
Blade contacts



RIF-3
40 mm wide
Pin contacts



RIF-4
42 mm wide
Small contactor style
Blade contacts

Logic modules	Description	Order #
	PLC logic stand-alone module, 2nd generation, with 16I/Os, for plug-in connection to eight digital or analog PLC-INTERFACE terminal blocks, cannot be extended, real-time clock, micro USB female connector, accommodates memory module and Bluetooth adapter, screw connection.	2907443
	PLC logic basic module, 2nd generation, with 16I/Os, for plug-in connection to eight digital or analog PLC-INTERFACE terminal blocks, can be extended to 48I/Os, real-time clock, micro USB female connector, accommodates memory module and Bluetooth adapter, screw connection.	2907446
	PLC logic extension module with 16I/Os, for plug-in connection to eight PLC-INTERFACE terminal blocks for extending the basic module (a maximum of two extension modules can be connected to a basic module), screw connection.	2905137
Remote Relay System - Communication Modules	**Description**	**Order #**
	PLC-INTERFACE Ethernet gateway starter kit, consisting of: plug-in base module PLC-V8R/ETH-MP/BM with 2 x RJ45 connection and multi-protocol connection (PROFINET, EtherNet/IP™ and Modbus/TCP), four relay output terminals with Push-in connection and four relay input terminals with Push-in connection.	1861270
	PLC-INTERFACE Ethernet gateway basic module with 2x RJ45 connection and multi-protocol connection (PROFINET, EtherNet/IP™, and Modbus/TCP) with 8 I/Os, for plug-in connection to 8 digital or analog PLC-INTERFACE terminal blocks, can be extended to 56 I/Os, Push-in connection	1279135
	PLC-INTERFACE Ethernet gateway extension module with 16 I/Os, for plug-in connection to 8 PLC-INTERFACE terminal blocks for extending the PLC-V8R.../BM basic module (max. 3 extension modules can be connected to 1 basic module), Push-in connection	1487020
Relay output	**Description**	**Order #**
	PLC-INTERFACE, consisting of basic terminal block PLC-BSC.../21 with screw connection and plug-in miniature relay with power contact, for assembly on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V DC.	2900299
	PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V DC.	2900306
	PLC-INTERFACE, consisting of basic terminal block PLC-BSC.../ACT with screw connection and plug-in miniature relay with power contact, for assembly on DIN rail NS 35/7,5, 1 N/O contact, input voltage 24 V DC.	2900312
	PLC-INTERFACE with switch (operation: manual) for the functions “manual, zero, and automatic”, with screw connection and integrated power contact relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage 24 V AC/DC.	2900328
Solid-state relay output	**Description**	**Order #**
	PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 ... 48 V DC/100 A.	2900352
	PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 ... 33 V DC/3 A.	2900364
	PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 24 ... 253 V AC/0.75 A.	2900369
	PLC-INTERFACE for output functions, consisting of PLC-BSC.../ACT basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 ... 33 V DC/3 A.	2900376
	PLC-INTERFACE with electronic changeover contact, consisting of PLC-BSC.../21 basic terminal block with screw connection and integrated miniature solid-state relay, for mounting on NS 35/7.5 DIN rail, 1 changeover contact, input: 24 V DC, output: 3 V DC...48 V DC/500 mA.	2900378



- Based on PLC-INTERFACE
- Flexible channel asignment - inputs or outputs with either relay or analog modules at only 50mm
- Easy project implementation with the intuitive operation of the free Logic+ software
- Wireless operation and monitoring via Bluetooth adapter and free PLC logic app
- Basic modules can be connected to extension modules up to 48I/Os in total.

PLC-INTERFACE Ethernet Gateway: The modular remote relay system supports simple applications with up to 56 I/O channels. Integrate your relays easily into the network. Benefit from a high degree of flexibility and intuitive configuration due to compatibility with established control software. Our scalable modules for the decentralized control box offer space savings of up to 65%, making them a cost-effective addition to classic remote I/O solutions.

Hybrid Motor Starters

What type of motor start do you need?	What are the required functions?
What is the maximum load current?	Resulting Phoenix Contact part number (by connection technology)
What is your input voltage?	

		Functions							Connection Technology	
		Direct Starter	Reversing Starter	Motor Protection	Emergency Stop1	Can Be Netwoked	ATEX	Short-Circuit Protection	Screw	Push-In
Maximum Load Current	Input Voltage2									
Stand-Alone[3]										
0.6 A	24 V DC	✓		✓	✓		✓		2900566	2903914
		✓	✓	✓	✓		✓		2900582	2903902
		✓	✓	✓	✓		✓	✓	2902746	
		✓		✓					2900542	2903920
		✓	✓	✓					2900573	2903908
2.4 A	24 V DC	✓		✓	✓		✓		2900567	2903916
		✓	✓	✓	✓		✓		2900414	2903904
		✓	✓	✓	✓		✓	✓	2902744	
		✓		✓					2900543	2903922
		✓	✓	✓					2900574	2903910
9 A	24 V DC	✓		✓	✓		✓		2900569	2903918
		✓	✓	✓	✓		✓		2900421	2903906
		✓	✓	✓	✓		✓	✓	2902745	
		✓		✓					2900545	2903924
		✓	✓	✓					2900576	2903912
		✓							2900530	
		✓	✓						2900538	
Network-Capable (Gateway Required)										
0.6 A	24 V DC	✓	✓	✓	✓	✓	✓			2905138
3 A	24 V DC	✓		✓	✓	✓	✓			2905142
		✓	✓	✓	✓	✓	✓			2905139
9 A	24 V DC	✓		✓	✓	✓	✓			2905143
		✓	✓	✓	✓	✓	✓			2905140

[1]Dependent on the application up to PL e / SIL 3. [2]Also available in 230 V versions. Check Phoenix Contact website for the full range. [3]Modular options also available.

Network Gateway

Protocol	Designation	Description	Order #
Profisafe	EM-PSAFE-GATEWAY-IFS	Gateway for the connection of up to 15 Interface system devices to a higher-level safe controller via PROFIsafe. The system devices are connected to the gateway via DIN rail connectors. The DIN rail connectors are provided.	1188207
Profinet	EM-PNET-GATEWAY-IFS	Gateway for the connection of up to 32 Interface system devices to a higher-level controller via PROFINET. The Interface system devices are connected to the gateway via DIN rail connectors. The DIN rail connectors are provided.	2904472
EtherNet/IP™	EM-ETH-GATEWAY-IFS	Gateway for the connection of up to 32 Interface system devices to a higher-level controller via EtherNet/IP™. The Interface system devices are connected to the gateway via DIN rail connectors. The DIN rail connectors are provided.	2901988
Profibus DP	EM-PB-GATEWAY-IFS	Gateway for the connection of up to 32 Interface system devices to a higher-level controller via PROFIBUS DP. The Interface system devices are connected to the gateway via DIN rail connectors. The DIN rail connectors are provided.	2297620
Modbus TCP	EM-MODBUS-GATEWAY-IFS	Gateway for the connection of up to 32 Interface system devices to a higher-level controller via Modbus/TCP. The Interface system devices are connected to the gateway via DIN rail connectors. The DIN rail connectors are provided.	2901528
CANopen®	EM-CAN-GATEWAY-IFS	Gateway for the connection of up to 32 Interface system devices to a higher-level controller via CANopen®. The Interface system devices are connected to the gateway via DIN rail connectors. The DIN rail connectors are provided.	2901504

Solid State Contactors

		Functions			
		Direct Starter	Reversing Starter	Single-Phase	3-Phase
Maximum Load Current	Input Voltage				
20 A	24 V DC	✓		1032919	
	230 V AC	✓		1032920	
30 A	24 V DC	✓		1032921	
	230 V AC	✓		1032922	
37 A	24 V DC	✓	✓		2297374
50A	24 V DC	✓		1032926	
	230 V AC	✓		1032927	

Reverse running

Optional: reversing function including locking circuit and load wiring.

Motor protection

Convenient protection with the electronic motor protection relay with automatic and remote reset function.



Forward running

Easy control directly via 24 V PLC output cards or 230 V AC signal.

Emergency stop

The integrated safety function enables use in safety-related emergency stop applications.

CONTRACTRON Speed Starter

Is the input single- or three-phased?	Housing and dimension specifications
What is the size of your motor?	Resulting Phoenix Contact part number
What is your nominal current (input/output)?	

Motor Power	Voltage/Current Input	Voltage/Current Output	Housing	Type	Order #
Single-phase load input, with EMC filter[1]					
0.25 kW/0.3 HP	3.5 A	1.7A	A2	CSS0.25-1/3-EMC	1201520
0.37 kW/0.5 HP	5.3 A	2.5 A	A2	CSS0.37-1/3-EMC	1201600
0.55 kW/0.7 HP	6.7 A	3.2 A	B2	CSS0.55-1/3-EMC	1201602
0.75 kW/1.0 HP	9.1 A	4.3 A	B2	CSS0.75-1/3-EMC	1201613
1.5 kW/2.0 HP	15.8 A	7.5 A	B2	CSS1.5-1/3-EMC	1201642
Three-phase load input, with EMC filter[1]					
0.25 kW/0.3 HP	1.0 A	1.0 A	A2	CSS0.25-3/3-EMC	1201713
0.37 kW/0.5 HP	1.7 A	1.7 A	A2	CSS0.37-3/3-EMC	1201825
0.55 kW/0.7 HP	2.0 A	2.0 A	A2	CSS0.55-3/3-EMC	1201828
0.75 kW/1.0 HP	2.8 A	2.8 A	A2	CSS0.75-3/3-EMC	1201829
1.5 kW/2.0 HP	4.28 A	4.28 A	B2	CSS1.5-3/3-EMC	1201696
Three-phase load input, with EMC filter[1]					

[1]Also available without EMC filter. Check Phoenix Contact website for the full range.

Housing[2]					
					
Description	**A1**	**A2**	**B1 heatsink**	**B1 fan**	**B2**
Cooling	Heatsink	Replaceable fan	Heatsink	Replaceable fan	Replaceable fan
Dimensions (H x W x D)	180 x 35 x 165 mm	180 x 35 x 185 mm	180 x 45 x 180 mm	180 x 45 x 180 mm	180 x 45 x 200 mm

[2]A1, B1 heatsink and B1 fan housing are available for motor staters without EMC filter only. For more details, check Phoenix Contact website.

Direct Start
Easy control directly via 24 V PLC output cards or the 24 V output of the device

Reversing Start
Reverse rotation via buttons directly on the device

Motor Protection
Comfortable protection via flexible nominal current setting of the motor including remote reset function



Safe Torque Off
The integrated safety function enables use in safety-related emergency stop applications

Various Speeds
Speeds can be customised and modified as desired

Ramp Function
Fully-adjustable soft motor start and shutdown.

Watch Speed Starter Virtual Demo:
Connect, Set, Start!

What type of conversion and/or isolation do you need?				
What is the module power? (Standard is module powered by separate 24 V DC)				
What is your input signal?				
What is the output signal?				
Resulting Phoenix Contact part number				
Fixed Signal Conversion and Isolation				
Module Power	**Input Signal**	**Output Signal**	**Description**	**Order #**
Line	0 V ... 10 V	0 V ... 10 V	MINI MCR-2-U-U	2902042
		4 mA ... 20 mA	MINI MCR-2-U-I4	2902029
	4 mA ... 20 mA	0 V ... 10 V	MINI MCR-2-I4-U	2902002
		4 mA ... 20 mA	MINI MCR-2-I-I	2901998
Universal and Configurable Analog Signal conversion and isolation				
Module Power	**Input Signal**	**Output Signal**	**Description**	**Order #**
Line	0 V ... 10 V	4 mA ... 20 mA	MINI MCR-2-U-I4-PT	2902030
	4 mA ... 20 mA (HART)	4 mA ... 20 mA (HART)	MINI MCR-2-RPSS-I-I	2902014
	Voltage	Voltage	MINI MCR-2-U-U-PT	2902043
		Voltage/current	MINI MCR-2-U-UI	2902019
	Voltage/current	Relay	MINI MCR-2-UI-REL-PT	2902035
		Transistor	MINI MCR-2-UNI-UI-UIRO	2902026
		Voltage/current	MINI MCR-2-UI-UI	2902037
			MINI MCR-2-UNI-UI-2UI	2905026
Temperature Signal Conversion and Isolation				
Module Power	**Input Signal**	**Output Signal**	**Description**	**Order #**
Loop	RTD	Voltage/current	MINI MCR-2-RTD-UI	2902049
	Thermocouple (TC)		MINI MCR-2-TC-UI	2902055
	Temperature (RTD/TC)	Relay	MINI MCR-2-T-REL	2905632
	PT100	4 mA ... 20 mA	MINI MCR-SL-PT100-LP-NC	2810308
Low-Power Signal Conversion and Isolation				
Module Power	**Input Signal**	**Output Signal**	**Description**	**Order #**
Loop	Voltage/current	4 mA ... 20 mA (passive)	4 mA ... 20 mA (passive)	2902061
	4 mA ... 20 mA	4 mA ... 20 mA (active)	MINI MCR-2-2I-2I-ILP	2901994
			MINI MCR-2-UI-I-OLP	2901996
	4 mA ... 20 mA	4 mA ... 20 mA (passive)	MINI MCR-2-RPS-I-I-OLP	2906446
			MINI MCR-2-RPS-2I-2I-OLP	2906448
Specialty Signal Conversion and Isolation				
Module Power	**Input Signal**	**Output Signal**	**Description**	**Order #**
Line	4 mA ... 20 mA (HART)	4 mA ... 20 mA (HART)	MINI MCR-2-RPSS-I-2I	2905628
	Voltage/current	Frequency/transistor	MINI MCR-2-UI-FRO	2902031
	Frequency and PWM	Transistor	MINI MCR-2-F-UI	2902056
	Potentiometer	Voltage/current	MINI MCR-2-POT-UI	2902016
	Voltage/current	Relay	MINI MCR-2-UI-REL	2902033

MINI MCR-2

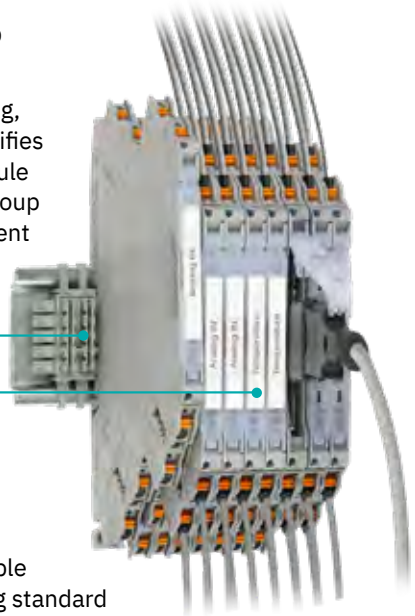


Automation

Discover:
the new highly compact MINI Analog Pro Ex i signal conditioners - A milestone in miniaturization!

Rapid power bridging and group error messaging

In addition to rapid power bridging, the DIN rail connector also simplifies wiring, system extension, or module replacement during operation. Group error messaging enables convenient diagnostics.



Service-friendly

Large-surface marking areas enable complete loop identification using standard marking material. All status and error indicators are always visible and provide an instant overview on site.



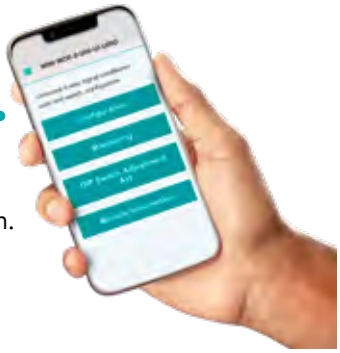
Easily accessible terminal points and FASTCON Pro plug-in connection terminal blocks



Measure signals during operation, without disconnecting the current loops.

Smart parameterisation and monitoring

Depending on the product type, you can access the devices wirelessly: via NFC and Bluetooth. Benefit from the comprehensive functions of the MINI Analog Pro app and parameterise the modules directly on site or read the current measured values during operation.



Unmanaged Switches

How many copper ports are required?	Is higher IP rating needed in the application?
Are specialty ports required: Power Over Ethernet (PoE) and/or fiber optic?	Is extended temperature needed?
What are the total number of ports required?	Resulting Phoenix Contact part number
What speed is required in the network?	

Unmanaged Switch 1000

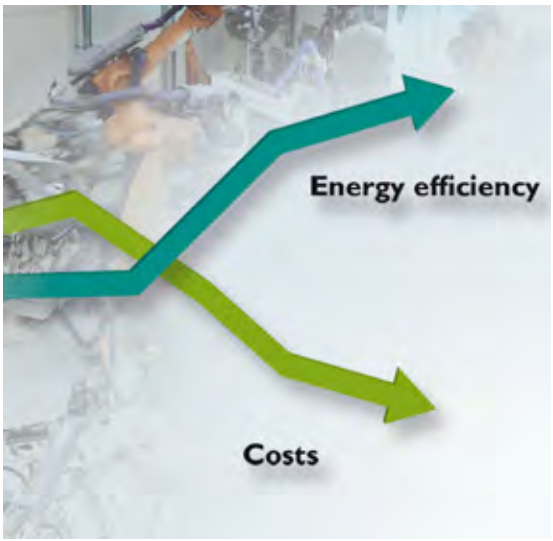
Copper Ports	Specialty Ports	Total Ports	Speed	IP65 / IP67	Extended Temperature	Type Description	Order #
4	1 x SC	5	10/100	N	N	FL SWITCH 1004N-FX SM	1085214
4	1 x ST	5	10/100	N	N	FL SWITCH 1004N-FX ST	1085179
4	1 x SC-D	5	10/100	N	N	FL SWITCH 1004N-FX	1084159
4	1 x SFP	5	Gigabit	N	N	FL SWITCH 1104N-SFP	1085173
4	1 x SFP	5	Gigabit	N	Y	FL SWITCH 1104NT-SFP	1343023
4	1 x SFP	5	10/100	N	N	FL SWITCH 1004N-SFX	1085177
4	1 x SFP	5	10/100	N	Y	FL SWITCH 1004NT-SFX	1085169
5	-	5	10/100	N	N	FL SWITCH 1005N	1085039
5	-	5	Gigabit	N	N	FL SWITCH 1105N	1085254
5	-	5	10/100	N	Y	FL SWITCH 1005NT	1085170
5	-	5	Gigabit	N	Y	FL SWITCH 1105NT	1085163
5	5 x M12	5	Gigabit	Y	Y	FL SWITCH 1705 M12	1386090
5	2 x SFP	7	Gigabit	N	N	FL SWITCH 1105N-2SFP	1085171
5	2 x SFP	7	10/100	N	N	FL SWITCH 1005N-2SFX	1085176
5	2 x SFP	7	10/100	N	Y	FL SWITCH 1005NT-2SFX	1085164
5	2 x SFP	7	Gigabit	N	Y	FL SWITCH 1105NT-2SFP	1343025
8	-	8	10/100	N	N	FL SWITCH 1008N	1085256
8	-	8	Gigabit	N	N	FL SWITCH 1108N	1085243
8	-	8	10/100	N	Y	FL SWITCH 1008NT	1085165
8	-	8	Gigabit	N	N	FL SWITCH 1108N	1085243
8	-	8	Gigabit	N	N	FL SWITCH 1108N-NE	1738638
8	-	8	Gigabit	N	Y	FL SWITCH 1108T	1085088
8	-	8	10/100	N	Y	FL SWITCH 1108T	1085094
8	-	8	Gigabit	N	Y	FL SWITCH 1108T	1085162
-	8 x M12	8	10/100	Y	N	FL SWITCH 1608	1196227
-	8 x M12	8	Gigabit	Y	N	FL SWITCH 1708	1196228
8	-	8	Gigabit	N	N	L SWITCH 1108 REG	1473643
4	4 x POE	8	Gigabit	N	N	FL SWITCH 1104-4POE REG	1473642
12	2 x SFP	14	10/100	N	Y	FL SWITCH 1012NT-2SFP	1249598
16	-	16	10/100	N	N	FL SWITCH 1016N	1085255
16	-	16	Gigabit	N	N	FL SWITCH 1116N	1085219
16	-	16	Gigabit	N	Y	FL SWITCH 1116T	1085115
24	-	24	10/100	N	Y	FL SWITCH 1024T	1343027



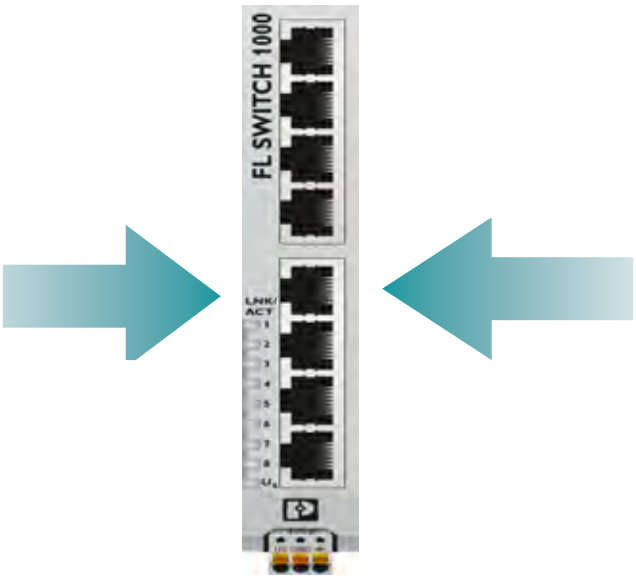




Phoenix Contact Ethernet Unmanaged Switch conforms to Energy-Efficiency Ethernet Standard IEEE 802.3az



Space-saving due to reduced width



Managed Switches

How many copper ports are required?	What special features are included?
How many fiber optic ports are required?	What is the designation of the FL Switch?
What are the total number of combo ports?	Resulting Phoenix Contact part number
What is the speed?	

Copper Ports	Fiber Optic Ports	Combo Ports	Port Speed	Special Features	Designation	Order #
Intelligent Switches for the Machine: Switch 2000 and 2100						
Supply voltage: 18-32 V DC (redundant), temperature range: -0°C to +60°C, IP20, front port outlet direction						
5 x RJ45	-	-	10/100 Mbps	-	FL SWITCH 2005	2702323
8 x RJ45	-	-		-	FL SWITCH 2008	2702324
16 x RJ45	-	-		-	FL SWITCH 2016	2702903
5 x RJ45	-	-	10/100/1,000 Mbps	-	FL SWITCH 2105	2702665
8 x RJ45	-	-		-	FL SWITH 2108	2702666
16 x RJ45	-	-		-	FL SWITCH 2116	2702908
Intelligent Switches for Universal Use: Switch 2200 and 2300						
Supply voltage: 12-57 V DC (redundant), temperature range: -40°C to +70°C, IP20, front port outlet direction, PROFINET Class B Approvals: DNV/GL, BV, ABS, LR, RINA, IECEx, ATEX Zone 2						
5 x RJ45	-	-	10/100 Mbps	Digital alarm output Fast Ring Detection, Large Tree Support, MRP Manager, up to 32 static VLANs, pool-based DHCP server and option 82	FL SWITCH 2205	2702326
6 x RJ45	2 x SC MM	-			FL SWITCH 2206-2FX	2702330
6 x RJ45	2 x SCMM	-			FL SWITCH 2206C-2FX	1095628
6 x RJ45	2 x SFP	-			FL SWITCH 2206-2SFX PN	1044028
7 x RJ45	1 x SC SM	-			FL SWITCH 2207-FX SM	2702329
7 x RJ45	1 x SC MM	-			FL SWITCH 2207-FX	2702328
8 x RJ45	-	-			FL SWITCH 2208	2702327
8 x RJ45	-	-			FL SWITCH 2208 PN	1044024
8 x RJ45	-	-			FL SWITCH 2208C	1095627
6 x RJ45	2 x ST SM	-			FL SWITCH 2206-2FX SM ST	2702333
6 x RJ45	2 x ST MM	-			FL SWITCH 2206-2FX ST	2702332
4 x RJ45	2 x SFP	2			FL SWITCH 2204-2TC-2SFX	2702334
6 x RJ45	2 x SC SM	-			FL SWITCH 2206-2FX SM	2702331
6 x RJ45	2 x SFP	-			FL SWITCH 2206-2SFX	2702969
14 x RJ45	2 x SC SM	-			FL SWITCH 2214-2FX SM	2702906
14 x RJ45	2 x SC MM	-			FL SWITCH 2214-2FX	2702905
14 x RJ45	2 x SFP	-			FL SWITCH 2214-2SFX	1006188
14 x RJ45	2 x SFP	-			FL SWITCH 2214-2SFX PN	1044030
16 x RJ45	-	-			FL SWITCH 2216	2702904
16 x RJ45	-	-			FL SWITCH 2216 PN	1044029
12 x RJ45	2 x SFP	2			FL SWITCH 2212-2TC-2SFX	2702907
8 x RJ45	-	-	10/100/1,000 Mbps		FL SWITCH 2308	2702652
4 x RJ45	2 x SFP	2			FL SWITCH 2304-2GC-2SFP	2702653
6 x RJ45	2 x SFP	-			FL SWITCH 2306-2SFP	2702970
6 x RJ45	2 x SFP	-			FL SWITCH 2306-2SFP PN	1009222
14 x RJ45	2 x SFP	2			FL SWITCH 2312-2GC-2SFP	2702910
14 x RJ45	2 x SFP	-			FL SWITCH 2314-2SFP	1006191
14 x RJ45	-	-			FL SWITCH 2314-2SFP PN	1031683
IP65/IP66/IP67 Intelligent Switches for Universal Use: Switch 2600 and 2700						
Supply voltage: 12-57 V DC (redundant), temperature range: -40°C to +70°C, IP20, front port outlet direction, PROFINET Class B Approvals: DNV/GL, BV, ABS, LR, RINA, IECEx, ATEX Zone 2						
8 x M12	-	-	10/100 Mbps	IP65/IP66/IP67	FL SWITCH 2608	1106500
8 x M12	-	-			FL SWITCH 2608 PN	1106616
8 x M12	-	-	10/100/1,000 Mbps		FL SWITCH 2708	1106615
8 x M12	-	-			FL SWITCH 2708 PN	1106610







Stainless Steel Intelligent Switches for Universal Use: Switch 2400 and 2500							
Supply voltage: 12-57 V DC (redundant), temperature range: -40°C to +70°C, IP20, front port outlet direction, PROFINET Class B Approvals: DNV/GL, BV, ABS, LR, RINA, IECEx, ATEX Zone 2							
8 x RJ45	-	-	10/100 Mbps	Digital alarm output Fast Ring Detection, Large Tree Support, MRP Manager, up to 32 static VLANs, pool-based DHCP server and option 82	FL SWITCH 2408	1043412	
8 x RJ45	-	-			FL SWITCH 2408 PN	1089133	
6 x RJ45	2 x SFP	-			FL SWITCH 2406-2SFX	1043414	
6 x RJ45	2 x SFP	-			FL SWITCH 2406-2SFX PN	1089126	
4 x RJ45	2 x SFP	2			FL SWITCH 2404-2TC-2SFX	1088853	
16 x RJ45	-	-			FL SWITCH 2416	1043416	
16 x RJ45	-	-			FL SWITCH 2416 PN	1089150	
14 x RJ45	2 x SFP	-			FL SWITCH 2414-2SFX	1043423	
14 x RJ45	2 x SFP	-			FL SWITCH 2414-2SFX PN	1089139	
12 x RJ45	2 x SFP	2			FL SWITCH 2412-2TC-2SFX	1088875	
4 x RJ45	2 x SFP	2	10/100/1,000 Mbps		FL SWITCH 2504-2GC-2SFP	1088872	
6 x RJ45	2 x SFP	-			FL SWITCH 2506-2SFP	1043491	
6 x RJ45	2 x SFP	-			FL SWITCH 2506-2SFP PN	1089135	
8 x RJ45	-	-			FL SWITCH 2508	1043484	
8 x RJ45	-	-			FL SWITCH 2508 PN	1089134	
14 x RJ45	2 x SFP	-			FL SWITCH 2514-2SFP	1043499	
14 x RJ45	2 x SFP	-			FL SWITCH 2514-2SFP PN	1089154	
12 x RJ45	2 x SFP	2			FL SWITCH 2512-2GC-2SFP	1088856	
16 x RJ45	-	-			FL SWITCH 2516	1043496	
16 x RJ45	-	-			FL SWITCH 2516 PN	1089205	

FL Network Manager



The FL NETWORK MANAGER simplifies configuration and company management. Commission your network quickly and easily with the FL NETWORK MANAGER network management software.

The software provides support for the following steps:

- Scanning an existing network
- IP assignment and device configuration
- Multi-device configuration
- Configuration file handling
- Firmware update
- SNMP scripting

- How many copper ports are required?
- Are specialty ports required: Power Over Ethernet (PoE) and/or fiber optic?
- What are the total number of ports required?
- What speed is required in the network?
- Is IP rating needed in the application?
- Does the application require unmanaged or managed switch?
- Resulting Phoenix Contact part number

POE SWITCH

Copper Ports	Specialty Ports	Total Ports	Speed	IP 67 rating	Type	Description	Order #
	8 x PoE+	8	Gigabit	Y	Unmanaged	FL SWITCH 1701 7POE	1119230
	8 x PoE+	8	10/100	N	Unmanaged	FL SWITCH 1000N-8POE	1343031
1 x RJ45	4 PoE+	5	10/100	N	Unmanaged	FL SWITCH 1001T-4POE	2891064
-	2 PoE+/2 Fiber SFP	4		N	Unmanaged	FL SWITCH 1000T-2POE-GT-2SFP	1026765
-	8 PoE+/2 Fiber SFP	10		N	Unmanaged	FL SWITCH 1000-8POE-GT	1102079
1 x RJ45	4 PoE+/1 Fiber SFP	6		N	Unmanaged	FL SWITCH 1001T-4POE-GT-SFP	1026932
1 x RJ45	4 PoE+	5		N	Unmanaged	FL SWITCH 1001-4POE-GT	1102077
1 x RJ45	4 PoE+	5		N	Unmanaged	FL SWITCH 1001T-4POE-GT	1026937
-	4 PoE+/1 Fiber SFP	5	Gigabit	N	Managed	FL SWITCH 4000T-4POE-SFP	1026924
-	8 PoE+/2 Fiber SFP	10		N	Managed	FL SWITCH 4000T-8POE-2SFP	1026923
4 x RJ45	8 PoE+/4 Fiber SFP	16		N	Managed	FL SWITCH 4004T-8POE-4SFP	1026922
-	8 PoE+	8		N	Unmanaged	FL SWITCH 1000-8POE	1342622
-	8 PoE+	8		N	Unmanaged	FL SWITCH 1100-8POE	1343034
-	5 PoE+ / 2 Fiber SFP	7		N	Unmanaged	FL SWITCH 1100-5POE-2SFP	1342621
-	8 PoE+ / 2 Fiber SFP	10		N	Unmanaged	FL SWITCH 1100T-8POE-2SFP	1467018

POE



- What connection methods does it have?
- What is the temperature rating?
- What is the max power allowed?
- Does it have any special features?
- What PoE standard does it comply to?
- What is the designation?
- Resulting Phoenix Contact part number

POE Injector

	Connection Method	Temperature Range	Power Budget	Special Features	PoE Standard	Designation	Order #
	RJ45/RJ45	0°C to +60°C	15/30 W	-	IEEE 802.3 af/at (PoE+)	INJ 1000	2703005
		-40°C to +75°C	60 W	Electrical isolation in the power supply unit	Prepared for PoE bt (PoE++)	INJ 1010	2703007
			15/30 W	Electrical isolation in the power supply unit, surge protection and shield current diagnostics	IEEE 802.3 af/at (PoE+)	INJ 1000-T	2703006
			60 W		Prepared for PoE bt (PoE++)	INJ 1010-T	2703008
			15/30 W		IEEE 802.3 af/at (PoE+)	INJ 1100-T	2703009
			60 W		Prepared for PoE bt (PoE++)	INJ 1110-T	2703010
	RJ45/IDC		15/30 W		IEEE 802.3 af/at (PoE+)	INJ 2102-T	2703012
			60 W		Prepared for PoE bt (PoE++)	INJ 2112-T	2703014
			15/30 W		IEEE 802.3 af/at (PoE+)	INJ 2103-T	1004065
			60W		Prepared for PoE bt (PoE++)	INJ 2113-T	1004066
	RJ45/Push-In		15/30 W		IEEE 802.3 af/at (PoE+)	INJ 2101-T	2703011
	RJ45/Screw		60 W		Prepared for PoE bt (PoE++)	INJ 2111-T	2703013

What connection methods does it have?	Does it have surge protection?
What type of patch panel is this?	What is the designation?
How is it shielded?	Resulting Phoenix Contact part number
How is the shield connected?	

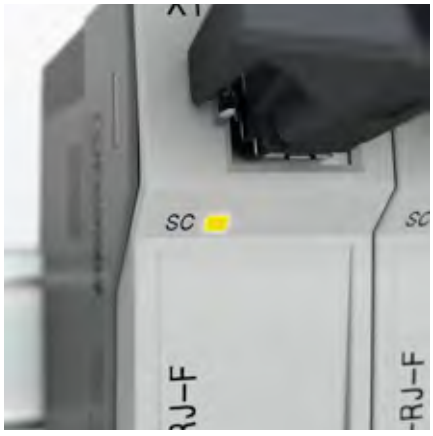
Patch Panels

	Connection Method	Description	Shielding	Cable Shield Connection	Surge Protection	Designation	Order #
	RJ45 / RJ45	"Standard ethernet patch panel, 8-Pos., 10/100/1,000 Mbps" "Function variant ethernet patch panels 8-Pos., 10/100/1,000 Mbps With surge protection and shield current diagnostics"	Right on the DIN rail	Using a RJ45 socket	No	PP-RJ-RJ	2703015
	RJ45/Screw			Toolless using shield contact spring		PP-RJ-SC	2703016
	RJ45/Push-In					PP-RJ-SCC	2703018
	RJ45/IDC					PP-RJ-IDC	2703019
	RJ45 / RJ45			Using a RJ45 socket	YES	PP-RJ-RJ-F	2703020
	RJ45/Screw					PP-RJ-SC-F	2703021
	RJ45/Push-In			Toolless using shield contact spring		PP-RJ-SCC-F	2703022
	RJ45/IDC					PP-RJ-IDC-F	2703023



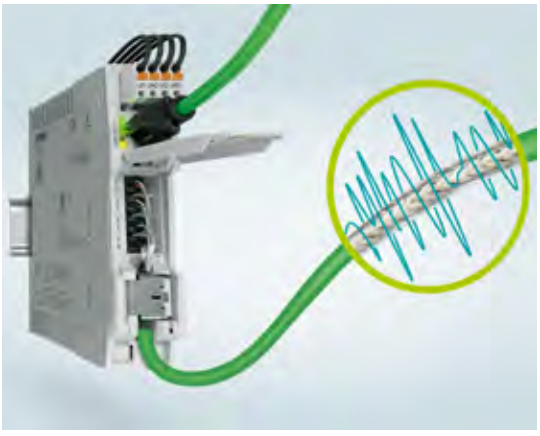
Toolless Shield Connection

Connect the cable shielding to the DIN rail without tools - with strain relief assured at the same time.



Shield Current Diagnostics

The reliable display of hazardous shield currents increases the safety of the installation.



Overvoltage Protection

The integrated surge protection protects the application against sudden high voltages in the data cable and improves system reliability and availability.

What's the voltage range?				What wireless technology used?		
What's the temperature range?				Does the Application requires internal or external antenna?		
What's the wireless frequency?				Resulting Phoenix Contact part number		
Wireless Ethernet						
Voltage Range	**Temperature Range**	**Wireless Frequency**	**Wireless Technology**	**Antenna / IO**	**Description**	**Order #**
9-30 VDC	0°C to 60°C	2.4 / 5 GHz	Bluetooth/WLAN a, b, g, n	internal	FL EPA 2	1005955
9-30 VDC	-40°C to 65°C	2.4 / 5 GHz	Bluetooth/WLAN a, b, g, n	external	FL EPA 2 RSMA	1005957
9-30 VDC	-40°C to 65°C	2.4 GHz	Bluetooth	internal	FL BT EPA 2	1005869
9-32 VDC	-30 C to 60 C	2.4 / 5 GHz	Wifi 6	external	FL WLAN 1020	2702992
9-32 VDC	-30 C to 60 C	2.4 / 5 GHz	Wifi 6	internal	FL WLAN 1120	1386091
9-32 VDC	-30 C to 60 C	2.4 / 5 GHz / 6GHz	Wifi 6 / 6E	external	FL WLAN 1022	1752493
9-32 VDC	-30 C to 60 C	2.4 / 5 GHz / 6GHz	Wifi 6 / 6E	internal	FL WLAN 1122	1752496
PoE / 24VDC	-40 C to 70 C	-	GPS, Galileo, GLONASS, and BeiDou	internal	FL TIMESERVER NTP	1107132
Wireless Serial / IO						
10.8-30.5 VDC	-40°C to 70°C	900 MHz	Trusted Wireless	-	RAD-900-IFS-AU	2702878
19.2-30.5 VDC	-40°C to 70°C	2.4 GHz	Trusted Wireless	-	RAD-2400-IFS	2901541
19.2-30.5 VDC	-40°C to 70°C	-	-	-	RAD-RS485-IFS	2702184
19.2-30.5 VDC	-40°C to 70°C	-	-	Digital Intputs	RAD-DI4-IFS	2901535
19.2-30.5 VDC	-40°C to 70°C	-	-	Relay Outputs	RAD-DOR4-IFS	2901536
19.2-30.5 VDC	-40°C to 70°C	-	-	Digital Inputs	RAD-DI8-IFS	2901539
19.2-30.5 VDC	-40°C to 70°C	-	-	Digital Transistor Outputs	RAD-DO8-IFS	2902811
19.2-30.5 VDC	-40°C to 70°C	-	-	Analogue Inputs	RAD-AI4-IFS	2901537
19.2-30.5 VDC	-40°C to 70°C	-	-	Analogue Outputs	RAD-AO4-IFS	2901538
19.2-30.5 VDC	-40°C to 70°C	-	-	Digital Inputs and Outputs, 1 Analogue Input and Output	RAD-DAIO6-IFS	2901533
19.2-30.5 VDC	-40°C to 70°C	-	-	RTD PT100 Inputs	RAD-PT100-4-IFS	2904035
19.2-30.5 VDC	-40°C to 70°C	-	-	NAMUR Digital Inputs	RAD-NAM4-IFS	2316275





WLAN

Secure and reliable ethernet wireless connections for industrial application.



TRUSTED WIRELESS

Quick and easy startup and configuration in Mesh networks of up to 250 devices and 32 Km range.



SMS Relay

4G/LTE mobile interface. Switching via phone call and SMS, alerting via SMS and email, message in the event of power failure						
Voltage Supply	**Analog Input**	**Digital Input**	**Relay Output**	**Designation**	**Order #**	
DC supply (10 V DC ... 60 V DC)	2	4	4	TC MOBILE I/O X200-4G	1038567	



Antennas

What's the antenna type?	What's the connection?
What's the frequency?	Resulting Phoenix Contact part number
Whats's the antenna gain?	

Wireless Accessories - Antenna						
Antenna Type	**Frequency**	**Gain**	**Connection**	**Description**	**Order #**	
Omnidirectional	2.4 GHz	2 dBi	RSMA (Male)	RAD-ISM-2400-ANT-OMNI-2-1-RSMA	2701362	
Omnidirectional	2.4 GHz/5 GHz	2.5 dBi/5 dB	N (Female)	ANT-OMNI-2459-02	2701408	
Omnidirectional	2.4 GHz/5 GHz / 6 GHz	2.0 dBi/2.5 dBi/3.0 dBi	N (Male)	ANT-OMNI-2459-04	1284780	
Omnidirectional	2.4 GHz	6 dBi	N (Female)	RAD-ISM-2400-ANT-OMNI-6-0	2885919	
Directional	2.4 GHz/5 GHz	9 dBi	N (Female)	ANT-DIR-2459-01	2701186	
Omnidirectional	900 MHz	2 dBi	RSMA (Male)	RAD-900-ANT-OMNI-2-2-RSMA	2904801	
Directional	900 MHz	5 dBi	N (Female)	RAD-ISM-900-ANT-YAGI-3-N	2867801	
Directional	900 MHz	8.5 dBi	N (Female)	RAD-ISM-900-ANT-YAGI-6.5-N	2867814	

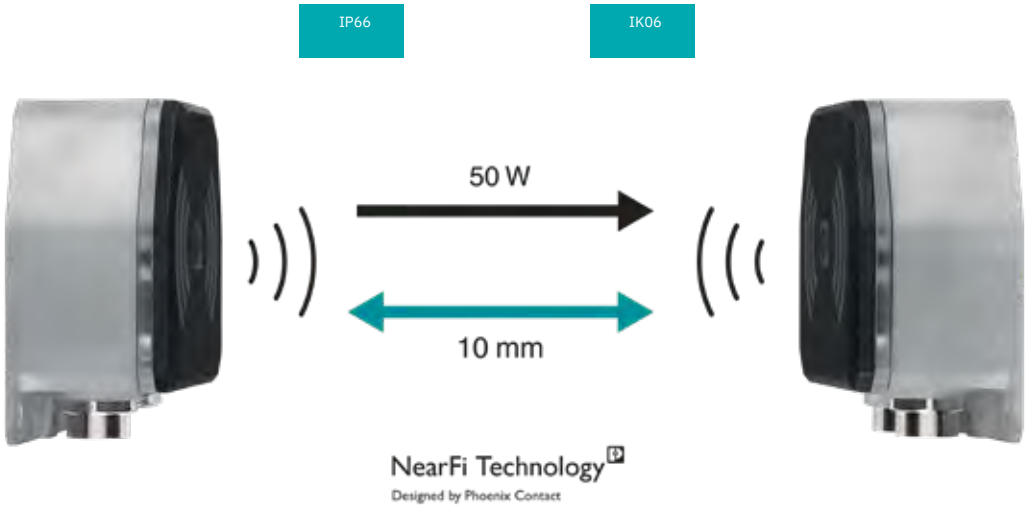
What's the connection type?	What's the attenuation of the cable?
What's the length of the cable?	Resulting Phoenix Contact part number

Wireless Accessories - Coaxial cable					
Connection	**Length**	**Attenuation**	**Description**	**Order #**	
N (Male) -> RSMA (Male)	0.5 m	0.5 / 0.8 / 1.1 dB at 0.9 / 2.4 / 5.8 GHz	RAD-PIG-RSMA/N-0.5	2903263	
N (Male) -> RSMA (Male)	1 m	0.5 / 0.8 / 1.1 dB at 0.9 / 2.4 / 5.8 GHz	RAD-PIG-RSMA/N-1	2903264	
N (Male) -> RSMA (Male)	2 m	0.5 / 0.8 / 1.1 dB at 0.9 / 2.4 / 5.8 GHz	RAD-PIG-RSMA/N-2	2903265	
N (Male) -> RSMA (Male)	3 m	0.5 / 0.8 / 1.1 dB at 0.9 / 2.4 / 5.8 GHz	RAD-PIG-RSMA/N-3	2903266	
N (Male) -> RSMA (Male)	5 m	0.5 / 0.8 / 1.1 dB at 0.9 / 2.4 / 5.8 GHz	RAD-PIG-RSMA/N-5	2702140	
2x N (Male)	3 m	1.0 / 1.5 / 2.1 dB at 0.9 / 2.4 / 5.8 GHz	RAD-CAB-PFP240-10	5606124	
2x N (Male)	6 m	1.0 / 1.5 / 2.1 dB at 0.9 / 2.4 / 5.8 GHz	RAD-CAB-PFP400-20	5606125	

What is the input voltage?				What is the type of wireless transmission the application requires?	
What is distance between coupler and remote devices?				Resulting Phoenix Contact part number	
What is the type of coupler?					
NearFi – Power and Data contactless transmission					
Input Voltage	**Distance (at 25°)**	**Type**	**Wireless Tranmission**	**Description**	**Order #**
24 VDC	0 ... 10 mm	Base	Power + Ethernet Data	NEARFI 2200 B	1433050
24 VDC	0 ... 10 mm	Remote	Power + Ethernet Data	NEARFI 2200 R	1433049
24 VDC	0 ... 10 mm	Base	Power	NEARFI 200 B	1433047
24 VDC	0 ... 10 mm	Remote	Power	NEARFI 200 R	1433046
24 VDC	0 ... 10 mm	Remote	Power	NEARFI 300 R	1509989
24 VDC	0 ... 10 mm	Base	Power	NEARFI 300 B	1464614
24 VDC	0 ... 100 mm	Base	Ethernet Data	NEARFI 2000 B	1433041
24 VDC	0 ... 100 mm	Remote	Ethernet Data	NEARFI 2000 R	1433040
24 VDC	0 ... 7 mm	Remote	Power + IO-Link Data	NF PD IOL B	1736167
24 VDC	0 ... 7 mm	Base	Power + IO-Link Data	NF PD IOL R	1736165



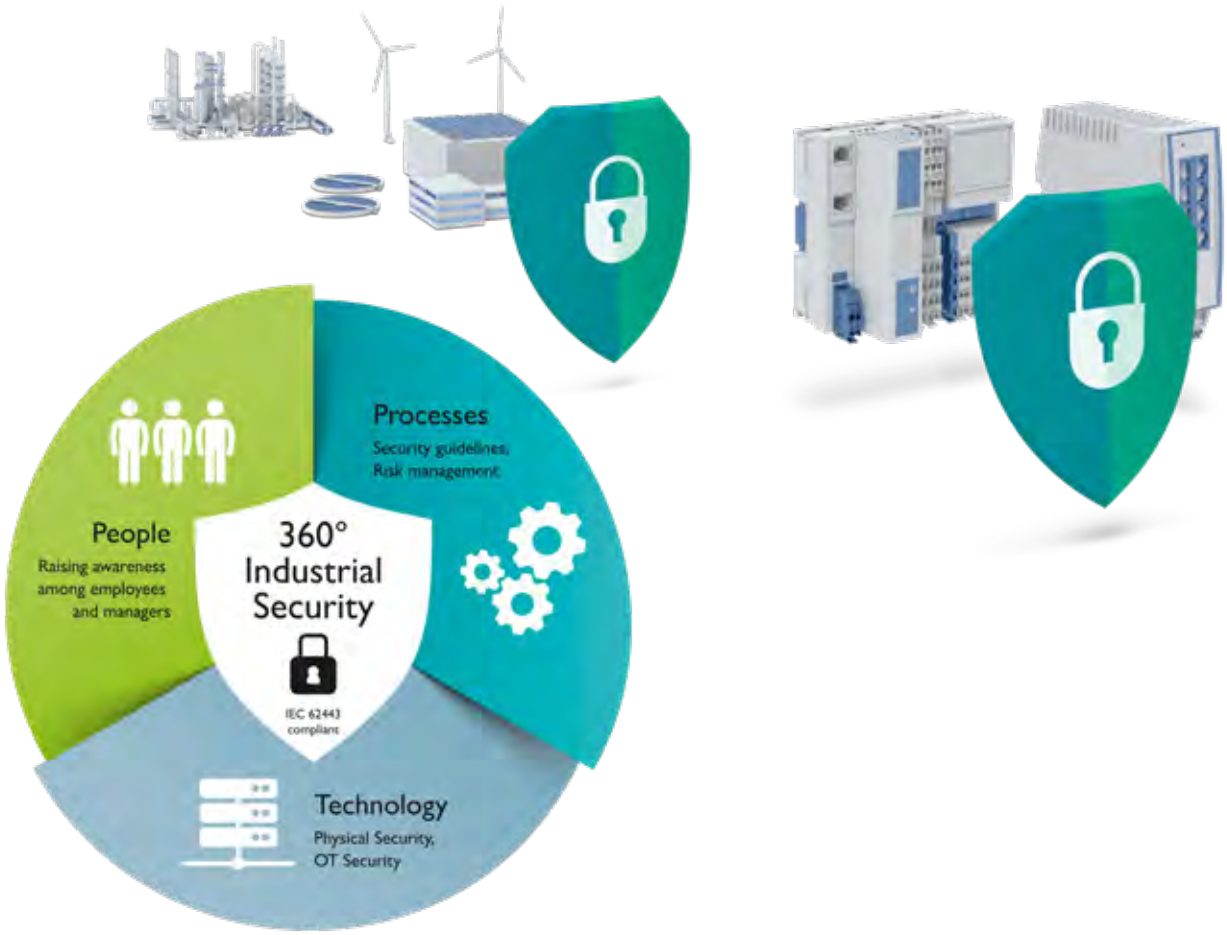
NearFi Technology – Contactless Ethernet Real-time Data and Power Transmission



PROFINET EtherCAT EtherNet/IP Modbus TSN



Secure Remote Connectivity



Phoenix Contact Order #	mGuard cloud compatible?	Does it have DMZ capability?
Can it be installed in a hazardous location?	What external memory type does it have?	Is it cellular capable?
How many copper ports does it have?	Does it have a full stateful firewall?	Can it fall over from a wired connection to cellular network?
What is the temperature rating?	Is it VPN hub capable?	

mGuard				
				
Model	**FL mGuard 2102**	**FL mGuard 2105**	**FL mGuard 4302**	**FL mGuard 4305**
Order #	1357828	1357850	1357840	1357840
C1D2	No	No	No	No
LAN Ports Available	2	5	2	5
Temperature	-20°C -> +60°C	-20°C -> +60°C	-40°C -> +60°C	-40°C -> +60°C
mGuard Secure Cloud Compatible	Yes	Yes	Yes	Yes
External Memory	SD	SD	SD	SD
Full Stateful Firewall	Yes	Yes	Yes	Yes
VPN Hub Capability	Yes	Yes	Yes	Yes
DMZ Capability	No	No	No	Yes
Cellular and GPS Capability	No	No	No	No
Failover from Wired to Cell	No	No	No	No





mGuard Device Manager

Device management software for security routers and firewalls



From fieldbus through to Industrial Ethernet

Use device servers to convert serial interfaces such as RS-232, RS-422, and RS-485 to other standards, such as Ethernet (RJ45), with protocol transparency. Gateways and protocol converters convert various fieldbus and Ethernet protocols (e.g., PROFIBUS to PROFINET), thus enabling the easy integration of legacy serial devices and fieldbuses into modern Ethernet networks.

What protocol do you need to convert?	Does the application require special approvals or special features?
How many Ethernet interfaces does the application need?	What is the designation?
How many Serial interfaces does the application need?	Phoenix Contact order number

	Protocol	Ethernet Interface	Serial Interface	Special Features	Designation	Item #
	Protocol Transparent	1 x RJ45	1 x D-SUB 9	ATEX, IECEx, UL (C1D2)	GW DEVICE SERVER 1E/1DB9	2702758
			2 x D-SUB 9		GW DEVICE SERVER 1E/2DB9	2702760
		2 x RJ45			GW DEVICE SERVER 2E/2DB9	2702761
			4 x D-SUB 9		GW DEVICE SERVER 2E/4DB9	2702763
	MQTT to MODBUS RTU / ASCII / TCP	1 x RJ45	1 x D-SUB 9		GW MQTT/MODBUS 1E/1DB9	1380010
			2 x D-SUB 9		GW MQTT/MODBUS 1E/2DB9	1380012
		2 x RJ45			GW MQTT/MODBUS 2E/2DB9	1380014
			4 x D-SUB 9		GW MQTT/MODBUS 2E/4DB9	1380015
	MODBUS RTU/ASCII to MODBUS TCP	1 x RJ45	1 x D-SUB 9	ATEX, IECEx, UL (Class I, Division 2)	GW MODBUS TCP/ RTU 1E/1DB9	2702764
			2 x D-SUB 9		GW MODBUS TCP/ RTU 1E/2DB9	2702765
		2 x RJ45			GW MODBUS TCP/ RTU 2E/2DB9	2702766
			4 x D-SUB 9		GW MODBUS TCP/ RTU 2E/4DB9	2702767
	Modbus RTU/ ASCII/TCP to EtherNet/IP™	1 x RJ45	1 x D-SUB 9		GW EIP/MODBUS 1E/1DB9	1062540
			2 x D-SUB 9		GW EIP/MODBUS 1E/2DB9	1062423
		2 x RJ45			GW EIP/MODBUS 2E/2DB9	1062380
			4 x D-SUB 9		GW EIP/MODBUS 2E/4DB9	1062388
	Modbus RTU/ AS CII/TCP to PROFINET	1 x RJ45	1 x D-SUB 9		GW PN/MODBUS 1E/1DB9	1105707
			2 x D-SUB 9		GW PN/MODBUS 1E/2DB9	1105708
		2 x RJ45			GW PN/MODBUS 2E/2DB9	1105709
			4 x D-SUB 9		GW PN/MODBUS 2E/4DB9	1105710
	PROFIBUS DP to PROFINET	1x RJ45	1x D-SUB 9	FDT/DTM	GW PN/DP 1E/2DB9	1108712
	IO-Link to PROFINET, Modbus/TCP, and OPC UA	2 x RJ45	8 x DI	-	IOL MA8 PN DI8	1072838
	IO-Link to EtherNet/IP™, Modbus/TCP, and OPC UA				IOL MA8 EIP DI8	1072839





What is the CPU?	CPU Designation
What is the main feature the application requires?	Resulting Phoenix Contact part number

PLCnext Control

CPU	Feature	Designation	Order #
2152*	Standard Application	AXC F 2152	2404267
3152*	3 independent Ethernet Interfaces	AXC F 3152	1069208
4072S*	Integrated PROFIsafe Safety Controller	AXC F 4072S	1051328
4072R*	Redundancy functionality	AXC F 4072R	1136419
VL3 EDGE	Edge device with Virtual PLCnext Control	VL3 UPC 2440 EDGE	1760157
9102S	Box PC with integrated PROFIsafe safety Controller	BPC 9102S	1246285



*Depending on the application, a Program / Configuration memory is required. (Part number: 1061701, 1043501, 1151112 or 1151111)

What CPU is compatible to the functionality?	CPU Designation
What new functionality is required by the application?	Resulting Phoenix Contact part number

Left-alignable PLCnext Extension Modules*

Compatible CPU	Functionality	Designation	Order #
2152 / 3152	Interbus	AXC F XT IB	2403018
2152 / 3152	Profibus	AXC F XT PB	1091657
2152	Ethernet	AXC F XT ETH 1TX	2403115
2152 / 3152	Safety	AXC F XT SPLC 1000	1159811
3152	Machine Learning	AXC F XT ML 1000	1259849
2152 / 3152	PCIe	AXC F XT EXP	1139999



*AXC BS L 2 – 1064312 required to connect left alignable modules



Project+ - I/O Project Planning – Easy and intuitive free software

Protocol
What is the designation?
Resulting Phoenix Contact part number?

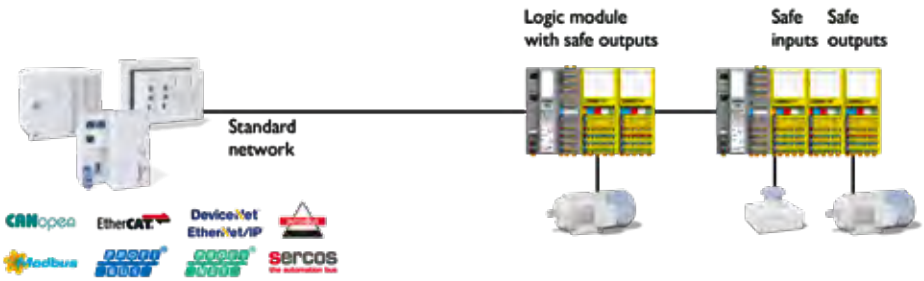
Network Connection

Bus Couplers	Protocol	Designation	Order #
	Bus Coupler for PROFINET	AXL F BK PN TPS	2403869
	EtherCAT. Bus Coupler for EtherCAT	AXL F BK EC	2688899
	EtherNet/IP Bus Coupler for EtherNet/IP™	AXL F BK EIP	2688394

Bus couplers	Protocol	Designation	Order #
	Modbus Bus Coupler for Modbus TCP	AXL F BK ETH	2688459
	PROFIBUS Bus Coupler for PROFIBUS	AXL F BK PB	2688530

*Up to 63 modules can be connected to the bus couplers

Axioline Bus Coupler - SafetyBridge Technology compatible



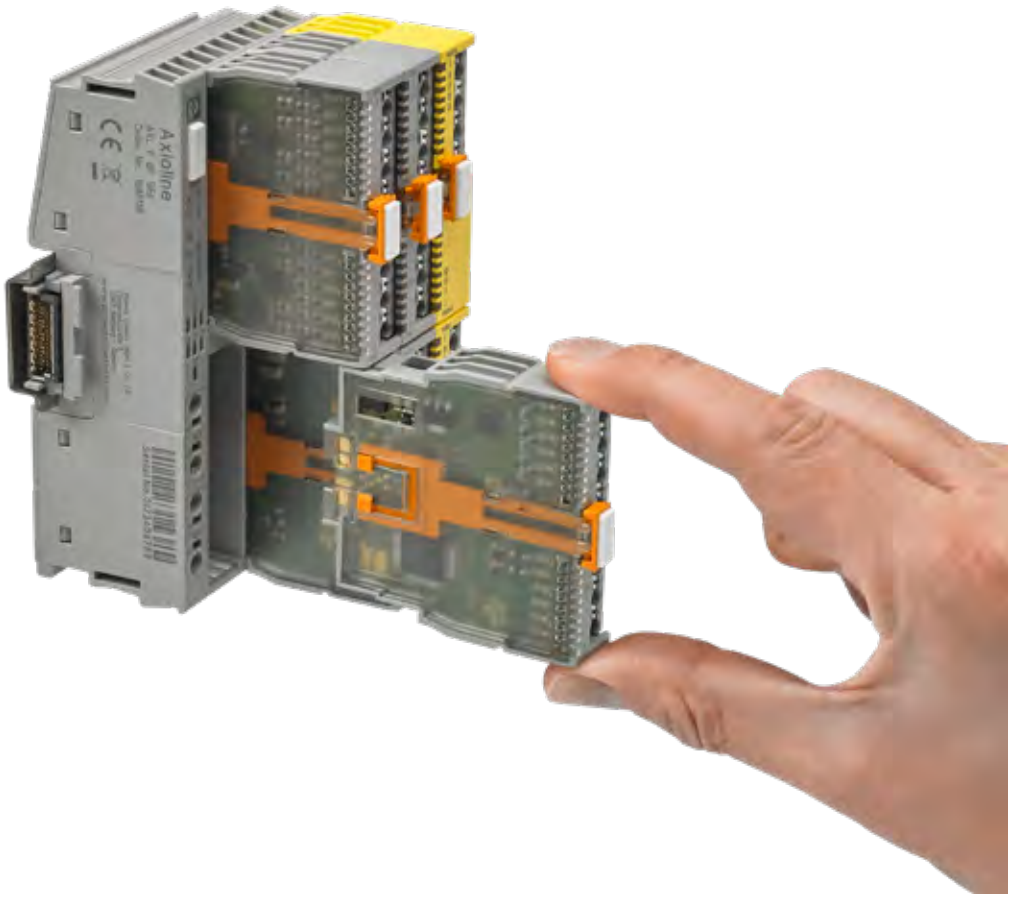
Axioline F I/O Modules

What is the description of the product model?			
What is the designation?			
Resulting Phoenix Contact part number			
Digital Data			
	Description	**Designation**	**Order #**
 **DI** **Digital Input** • 16 to 64 channels • High-speed inputs • 54 mm and 35 mm design width	16 Digital Inputs, 1-Wire	AXL F DI16/1 1H	2688310
	16 Digital Inputs, 1-Wire, High Speed	AXL F DI16/1 HS 1H	2701722
	16 Digital Inputs, 4-Wire	AXL F DI16/4 2F	2688022
	32 Digital Inputs, 1-Wire	AXL F DI32/1 1F	2688035
	64 Digital Inputs, 1-Wire	AXL F DI64/1 2F	2701450
 **DO** **Digital Output** • 8 to 32 channels • 2 A outputs • 54 mm and 35 mm design width	8 Digital Outputs, 2-Wire, 2 A	AXL F DO8/2 2A 1H	2688381
	16 Digital Outputs, 1-Wire	AXL F DO16/1 1H	2688349
	16 Digital Outputs, 3-Wire	AXL F DO16/3 2F	2688048
	32 Digital Outputs, 1-Wire	AXL F DO32/1 1F	2688051
 **DI DO** **Digital Input/Output** • 35 mm	8 Digital Inputs, 8 Digital Outputs, 1-Wire	AXL F DI8/1 DO8/1 1H	2701916
Analog Data			
 **AI** **Analog Input** • 4 to 8 channels • 54 mm and 35 mm design width	4 Analog Inputs, Current	AXL F AI4 I 1H	2688491
	4 Analog Inputs, Voltage	AXL F AI4 U 1H	2688501
	8 Analog Inputs, Current/Voltage	AXL F AI8 1F	2688064
	4 Temperature Inputs, RTD	AXL F RTD4 1H	2688556
	4 Temperature Inputs, UTH	AXL F UTH4 1H	2688598
	8 Temperature Inputs, RTD	AXL F RTD8 1F	2688077
	8 Temperature Inputs, UTH	AXL F UTH8 1F	2688417
 **AO** **Analog Output** • 4 to 8 channels • 54 mm and 35 mm design width	4 Analog Outputs, Current/Voltage	AXL F AO4 1H	2688527
	8 Analog Outputs, Current/Voltage	AXL F AO8 1F	2688080
Special Function Modules			
 **FKT** **Special Function Modules** • 54 mm and 35 mm design width	1 Interface can be configured as RS-485/RS-422 or RS-232	AXL F RS UNI 1H	2688666
	2 Counter Inputs, 2 Incremental Encoder Inputs	AXL F CNT2 INC2 1F	2688093
	1 SSI Interface, 1 Analog Output	AXL F SSI1 AO1 1H	2688433

Axioline Smart Elements IO

The pluggable Axioline Smart Elements are system-free modules without bus communication. The individual element only supports the I/O function. Only in combination with a backplane, which functions similarly to an adapter, bus communication for the respective I/O system is realised. The Axioline Smart Elements are therefore universal and flexible in use.

Description	Type	Input	Output	Order #
AXL F BP SE4	Backplane 4 slots	-	-	1088135
AXL F BP SE6	Backplane 6 slots	-	-	1088136
AXL SE DI16/1	Digital	16	-	1088127
AXL SE DI16/1 NPN	Digital	16	-	1105559
AXL SE DO16/1	Digital	-	16	1088129
AXL SE DO16/1 NPN	Digital	-	16	1105560
AXL SE DO4/2 2A EF	Digital	-	4	1181790
AXL SE DOR2 W 230	Digital	-	2	1105562
AXL SE INC1 ASYM	Encoder Inc	1	-	1182185
AXL SE INC1 SYM	Encoder Inc	1	-	1088130
AXL SE CNT1	Counter	1	-	1088131
AXL SE AI4 I 4-20	Analog	4	-	1088062
AXL SE AI4 I 0-20	Analog	4	-	1296378
AXL SE AI4 U 0-10	Analog	4	-	1088104
AXL SE AO4 I 4-20	Analog	-	4	1088123
AXL SE AO4 I 0-20	Analog	-	4	1296372
AXL SE AO4 U 0-10	Analog	-	4	1088126
AXL SE RTD4 PT100	Temperature	4	-	1088106
AXL SE RTD4 PT1000	Temperature	4	-	1182190
AXL SE UTH4 EF	Temperature	4	-	1182068
AXL SE PSDI8/3	PROFIsafe	8	-	1079241
AXL SE PSDO4/2 2A	PROFIsafe	-	4	1079231
AXL SE SSDI8/3	SafetyBridge	8	-	1190012
AXL SE SSDO4/2 2A	SafetyBridge	-	4	1190017
AXL SE IOL4	IO-Link	-	-	1088132
AXL SE RS485	RS 485	-	-	1088128
AXL SE RS232	RS 232	-	-	1181787
AXL SE SC	Slot Cover	-	-	1167159
AXL SE SC-A	Slot Cover	-	-	1088134



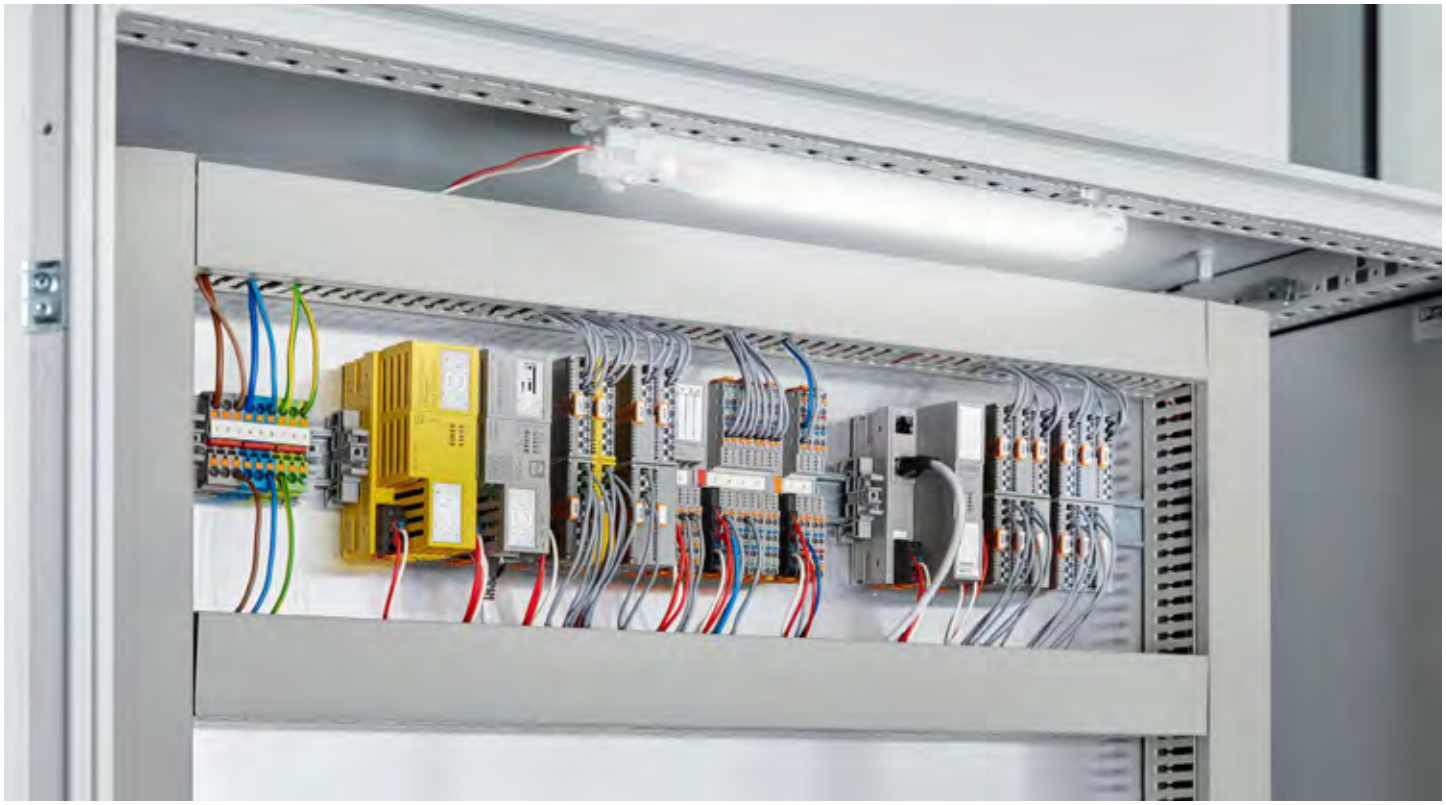
Enclosure Lights

The enclosure lights from Phoenix Contact provide optimum lighting for your control cabinet, and are easy to install without tools. In particular, the lower third of the control cabinet is ideally lit via a high-quality lens and prismatic reflector. Choose the lights tailored to your needs from two performance classes and a particularly flexible product range.

Class 409 PLD Enclosure Lights		
Model View		
Type	PLD E 409 W 350	PLD E 409 W 350 MS
Order #	1319569	1319573
Dimensions L x W x H	350 mm x 30 mm x 40 mm	350 mm x 30 mm x 40 mm
Luminous Flux	700 lm (Net Luminous Flux)	700lm (Net Luminous Flux)
Protection Class	II	II
Power Consumption	6 W	6 W
Supply Voltage Range	24 V AC/ DC ... 265 V AC / DC	24 V AC/ DC ... 265 V AC / DC
Motion Sensor	No	Yes

Advantages

- Optimum illumination of the entire control cabinet thanks to high-quality optics
- Worldwide 400-class application possibilities thanks to wide-range power supply
- UL approval also enables use in the North American market
- The 400-class push-in connection enables time savings during cabling
- The long LED service life eliminates maintenance work and replacing lights





HMI panels and industrial PCs

Operate and monitor your system states efficiently with our Human Machine Interfaces (HMIs) and industrial PCs (IPCs).

Benefit from maximum scalability for the operating concept of your automation solution. Perform demanding control and networking tasks in a straightforward manner with our intelligent industrial PCs. At the same time, the sophisticated visualization software supports fast and safe intervention in machine processes.

Human-Machine Interface (HMI)

Resulting Phoenix Contact part number	How many hours of operation do you require?	What level of protection is needed?
What size screen do you need?	What type of touch functionality do you require?	What kind of special approvals are needed?
What resolution is required?	What type of processing power is needed?	
What is the minimum brightness required?	What temperature range is needed?	

HMIs for HTML5 Applications

Model View			
Designation	BWP 2043W	BWP 2070W	BWP2102W
Order #	1060549	1060632	1060630
Display (in inches)	4.3	7	10.1
Colours	16.7 Million		
Resolution (W x H in pixels)	480 x 272 (WQVGA)	800 x 480 (WVGA)	1024 x 600 (WVGA)
Brightness (in cd/m2)	400	350	
Backlight (MTTF in h)	20,000	25,000	
Touch Technology	Polyester, Analog Resistive		
Processor	i.MX 6DualLite, 454 MHz		
Temperature Range	Operation: 0°C to +50°C Storage: -20°C to +85°C		
Degree of Protection (Front/Back)	IP66/IP20		
Approvals	UL/cUL		

HMIs for HTML5 Applications

Model View						
Designation	WP 6070-WVPS	WP 6101-WXPS	WP 6121-WXPS	WP 6156-WHPS	WP 6185-WHPS	WP 6215-WHPS
Order #	1290800	1290801	1290802	1290807	1290807	1290809
Display (in inches)	7	10.1	12.1	15.6	18.5	21.5
Colours	16.7 Million					
Resolution (w x h in pixels)	800 x 480 (WQVGA)	1280 x 800 (WVGA)		1920 x 1080 (Full HD)		
Brightness (in cd/m²)	500	500	400	450	350	400
Backlight (MTTF in h)	50,000					
Touch Technology	Projective-Capacitive (PCAP)					
Processor	Arm® Cortex®-A53, 1.6 GHz					
Temperature Range	Operation: -20°C to +50°C, Storage: -25°C to +60°C					
Degree of Protection (Front/Back)	IP66/IP20					
Approvals	UL/cUL					

Download:
HMIs & Industrial PCs Catalogue

Download:
Compact Industrial PCs Product List

Human-Machine Interface (HMI)

Resulting Phoenix Contact part number	How many hours of operation do you require?	What level of protection is needed?
What size screen do you need?	What type of touch functionality do you require?	What kind of special approvals are needed?
What resolution is required?	What type of processing power is needed?	
What is the minimum brightness required?	What temperature range is needed?	

Visu+ Touch Panel for Basic Application			
Model View			
Designation	BTP 2043W	BTP 2070W	BTP2102W
Order #	1050387	1046666	1046667
Display (in inches)	4.3	7	10.1
Colours	262,144		
Resolution (W x H in pixels)	480 x 272 (WQVGA)	800 x 480 (WVGA)	1024 x 600 (WVGA)
Brightness (in cd/m2)	400	300	
Backlight (MTTF in h)	25,000		
Touch Technology	Polyester, Analog Resistive		
Processor	Arm® Cortex®-A7, 700 MHz i.MX6 UL		
Temperature Range	Operation: 0°C to +50°C Storage: -20°C to +85°C		
Degree of Protection (Front/Back)	IP65/IP20		
Approvals	UL/cUL		

Visu+ Touch Panel for Standard Application						
Model View						
Designation	TP 6070-WVPS	TP 6101-WXPS	TP 6121-WXPS	TP 6156-WHPS	TP 6185-WHPS	TP 6215-WHPS
Order #	1189629	1190417	1190420	1190421	1190423	1190424
Display (in inches)	7	10.1	12.1	15.6	18.5	21.5
Colours	16.7 Million					
Resolution (w x h in pixels)	800 x 480 (WQVGA)	1280 x 800 (WVGA)		1920 x 1080 (Full HD)		
Brightness (in cd/m2)	500	500	400	450	350	400
Backlight (MTTF in h)	50,000					
Touch Technology	Projective-Capacitive (PCAP)					
Processor	Arm® Cortex®-A9, 800 MHz					
Temperature Range	Operation: -20°C to +50°C, Storage: -25°C to +60°C					
Degree of Protection (Front/Back)	IP66/IP20					
Approvals	UL/cUL					

Industrial PC (IPC)



VL3 Series IPC - A configurable IPC that truly suits your application with the best-in-class technology

- Celeron and Intel i3, Intel i5 or Intel i7 11th Gen Processors Options
- Panel PC size from 15,6” to 21,5”
- SSD M.2 up to 960 GB
- Optional TPM 2.0 technology
- Optional Additional Serial Ports
- Optional WLAN Mini PCIe

Functional Safety



Safety switch

Use our non-contact safety switches with RFID technology for intelligent safety door and position monitoring.



Safety relay modules

If you require just a small number of safety functions, you can choose from our large range of safety relays, safe signal conditioners, and safe motor starters.



Configurable safety systems

The PSRmodular configurable safety system is a flexible safety solution for monitoring your machine or system.



Safe I/Os

Integrate functional safety into your existing network, whether in the control cabinet or in the field. With SafetyBridge Technology, the safety function is processed directly in the I/O modules.



Safe control technology

With our safe high-performance controllers, you can integrate reliable functional safety into PROFIsafe networks for applications with special demands on safety and availability.



Safe power supplies

Our high-performance QUINT POWER power supplies ensure superior availability of your system and satisfy all functional safety requirements.

Emergency stop
Safety door switch, mechanical
Light grid
Solenoid switch
Two-hand function
Transponder switch
Start/restart
Enabling current path / N/O contact
N/C contact
Changeover contact
Contact with dropout delay

PSRmini: Highly compact safety relays for machine building

Type	Applications							Output Contacts				Safety Approvals		Width	Order #	
												PL in accordance with EN ISO 13849-1	SILCL in accordance with EN 62061	In mm	Screw connection	Push-in connection
PSR-MS201) 24 V DC	●	●	–	●	–	–	A	1	–	–	1	c	1	6.8	2904950	–
PSR-MS251) 24 V DC	●	●	–	●	–	–	M	1	–	–	1	c	1	6.8	2904951	–
PSR-MS403) 24 V DC	●	●	–	–	–	●	A	1	–	–	1	e	3	6.8	2904954	–
PSR-MS603) 24 V DC	●	●	●	●	–	●	A	2	–	–	–	e	3	6.8	2904958	–
PSR-MC32 24...230 V DC	●	●	●	●	–	●	A/M	3	–	1	–	e	3	22.5	2700524	–
PSR-UNI: Multifunction safety relays with 2 safety functions in one device																
PSR-UNI-L-1X4NO-1DO-24DC-PI	●	●	●	●	●	●	A/M	4	–	–	–	e	3	22.5	1487648	–
PSR-UNI-L-2X2NO-2DO-24DC-PI	●	●	●	●	●	●	A/M	2	–	–	–	e	3	22.5	1487644	–
PSR-UNI-L-1X4NO-1DO-24DC-SC	●	●	●	●	●	●	A/M	4	–	–	–	e	3	22.5	1487649	–
PSR-UNI-L-2X2NO-2DO-24DC-SC	●	●	●	●	●	●	A/M	2	–	–	–	e	3	22.5	1487647	–
PSRclassic: Conventional safety relays for machine building																
												PL in accordance with EN ISO 13849-1	SILCL in accordance with EN 62061	In mm	Screw connection	Push-in connection
PSR-ESA2-B 24 V AC/DC	●	●	–	–	–	–	A	4	–	1	–	c2)	12)	–	2963802	2963954
PSR-ESAM4/3X1-B Voltage variants	●	●	–	–	–	–	A/M	3	–	1	–	e	3	–	See catalogue for ordering data	
PSR-ESL4[1] 24 V AC/DC	●	●	●	–	–	●	A/M	3	–	1	–	e	3	–	2981059	2981062
PSR-THC4[5] 24 V AC/DC	–	●	–	–	●	–	A	2	–	1	–	e	3	–	2963721	2963983
PSR-URM4 42 to 230 V AC/DC	Contact extension							4	–	2	–	e	3	–	2702924	2702925
PSR-URM4 24 V DC	Contact extension							5	–	2	–	e	3	–	1442021	1442026


Emergency stop

Safety door switch, mechanical

Light grid


Solenoid switch

Two-hand function

Transponder switch


Start/restart

Enabling current path / N/O contact

N/C contact


Changeover contact

Contact with dropout delay

PSRmini: Highly compact,safe coupling relays for the process industry

Type	Applications	Output Contacts			Diagnostics/Proof Test				Safety Approvals					Width	Order #
	Highly compact, safe coupling relays for failsafe controllers				Visual via LED	Active Error Acknowledgment via A12)	Measurement on the Device	Self-Monitoring with Interlocking	SIL in Accordance with IEC 61508 / 61511	SIL in Accordance with IEC 50156	ATEX / IECEx / Class I Zone 2	G3 in Accordance with ANSI / ISA-S71.04	GL	In mm	Screw Connection
PSR-PS20 24 V DC	For safety-related shutdown (ESD)	1	1	1	●	●	●	–	3	3	●	●	●	6.8	2700356
PSR-PS21 24 V DC		1	1	1	●	●	●	–	2	2	●	●	●	6.8	2700357
PSR-PS23 24 V DC		1	1	–	●	–	●	–	3	3	●	●	●	6.8	2702663

PSRclassic: Classic, safe coupling relays for the process industry

	Highly compact, safe coupling relays for failsafe controllers				Visual via LED	Active Error Acknowledgment via A12)	Measurement on the Device	Self-Monitoring with Interlocking	SIL in accordance with IEC 61508 / 61511	SIL in Accordance with IEC 50156	ATEX / IECEx / Class I Zone 2	G3 in Accordance with ANSI / ISA-S71.04	GL	In mm	Screw Connection
PSR-FSP 24 V DC	For safety-related shutdown (ESD)	1	1	–	–	–	●	–	3	3	–	–	●	17.5	2981978
PSR-FSP/2x1 24 V DC		2	1	–	–	–	●	–	3	3	–	–	●	17.5	2986960

PSRMotion: Relays for motion monitoring

Type	Sensor Type			Application		Output Contacts		Safe Standards			Order #	
				n=0	$n<n_{MAX}$			Category in accordance with EN ISO 13849-1	PL in accordance with EN IDO 13849-1	SIL in accordance with EN 62061	Screw connection	Push-in connection
PSR-MM20 24 V DC	–	–	●	●	●	2	1	4	e	3	2702374	2702375
PSR-MM25 24 V DC	●	–	–	●	–	1	2	3	e	3	2702355	2702356
PSR-MM30 24 V DC	–	●	●	●	●	2	2	4	e	3	2702357	2702358
PSR-MM35 24 V DC	●	–	–	–	●	1	1	4	e	3	1249515	1249516

Force-guided Contact Relays

What application or load are you switching: electromechanical or solid state?	What connection technology: screw terminal (UT) or push-in (PT)?
What is the input-coil voltage: DC or AC?	Resulting Phoenix Contact part number
What is your output current (Amps)? (Ratings are for resistive loads)	
How many sets of contacts do you need: SPDT, DPDT, etc.?	

Electromechanical Relays

Input-Coil Voltage	Output Current	Sets of Contacts	Termination Style	Description	Order #
24 V DC	6 A	DPDT - 14 mm	Screw	PLC-RSC- 24DC/2X21/FG	2910535
			Push-In	PLC-RPT- 24DC/2X21/FG	2910537
RIF Slimline Relays					
24 V DC	6 A	DPDT - 14 mm	Push-In	RIF-1-RPT-LDP-24DC/2X21/FG	2908215



PSRswitch: Non-Contact RFID Safety Switches

Type	Description	Coding Type/Function	Connection Technology		
			Screw Connection	Spring-Cage Connection	M12 Connection
PSR-CT-F-SEN-1-8	Safety Sensor	Fixcode: The sensor accepts a single actuator. This actuator is taught in by the user during commissioning. It is not possible to teach in further actuators.	–	–	2702976
PSR-CT-C-SEN-1-8		Unicode: The sensor accepts one actuator. The actuator is taught in by the user during commissioning. It is possible to teach in an unlimited number of further actuators in succession. Previously taught in actuators are blocked by the sensor. They can no longer be used.	–	–	2702972
PSR-CT-M-SEN-1-8		Multicode: The sensor accepts all actuators. It is not necessary to teach them in during commissioning.	–	–	2702975
PSR-CT-C-ACT	Actuator	Coded, suitable for all sensor coding types	–	–	2702973
PSR-MC42	Safety Relay	With integrated IO-Link interface	2702901	2702902	–
SAC-8PY-M/2XF BK 1-PSR	Y Distributor	Type 1 for series connection of PSR-CT safety circuits	–	–	1054338
SAC-8PY-M/2XF BK 2-PSR		Type 2 for manual startup behaviour	–	–	1054339
SAC-8PY-M/2XF BK 3-PSR		Type 3 for integrated diagnostics via signal contact with PSR-CT safety circuits	–	–	1054341
SAC-5P-M12MS BK BR 1-2-4	Bridge Plug	Dummy plug for every sensor circuit	–	–	1054366

PSRswitch: Magnetic Safety Switches

Type	Description		Design			Connection Technology		Order #
	Function	With LED indicator	Rectangular small (RS)	Rectangular large (RL)	Circle	M8 connection	M8 connection with cable (4-wire pigtail)	
PSR-MIS-RS-S-NONO-C-3,0PVC	Sensor	–	●	–	–	–	3m	1534519
PSR-MIS-RS-S-NONO-C-5,0PVC	Sensor	–	●	–	–	●	5m	1534480
PSR-MIS-RS-S-NONO-M8,4P	Sensor	–	●	–	–	–	-	1534518
PSR-MIS-RS-S-NONC-C-3,0PVC	Sensor	–	●	–	–	–	3m	1534515
PSR-MIS-RS-S-NONC-C-5,0PVC	Sensor	–	●	–	–	–	5m	1534496
PSR-MIS-RS-S-NONC-M8-4P[1)]	Sensor	●	●	–	–	●	–	1534492
PSR-MIS-RS-A-N	Actuator	–	●	–	–	–	–	1534482
PSR-MIS-RS-A-R	Actuator	–	●	–	–	–	–	1534476
PSR-MIS-RS-P	Spacer plate	–	●	–	–	–	–	1534476
PSR-MIS-RL-S-NONO-C-3,0PVC	Sensor	–	–	●	–	–	3m	1533277
PSR-MIS-RL-S-NONO-C-5,0PVC	Sensor	–	–	●	–	–	5m	1533278
PSR-MIS-RL-S-NONO-M8-4P	Sensor	–	–	●	–	●	–	1533225
PSR-MIS-RL-S-NONC-C-3,0PVC	Sensor	–	–	●	–	–	3m	1533191
PSR-MIS-RL-S-NONC-C-5,0PVC	Sensor	–	–	●	–	–	5m	1533190
PSR-MIS-RL-S-NONC-M8,4P	Sensor	–	–	●	–	●	–	1533189
PSR-MIS-RL-A-N	Actuator	–	–	●	–	–	–	1533188
PSR-MIS-RL-A-R	Actuator	–	–	●	–	–	–	1533187
PSR-MIS-RL-P	Spacer plate	–	–	●	–	–	–	1533185
PSR-MIS-C-S-NONO-C-3,0PVC	Sensor	–	–	–	●	–	3m	1532481
PSR-MIS-C-S-NONO-C-5,0PVC	Sensor	–	–	–	●	–	5m	1533047
PSR-MIS-C-S-NONO-M8,4P	Sensor	–	–	–	●	●	–	1533232
PSR-MIS-C-S-NONC-C-3,0PVC	Sensor	–	–	–	●	–	3m	1533265
PSR-MIS-C-S-NONC-C-5,0PVC	Sensor	–	–	–	●	–	5m	1533268
PSR-MIS-C-S-NONC-M8,4P	Sensor	–	–	–	●	●	–	1533269
PSR-MIS-C-A-N	Actuator	–	–	–	●	–	–	1533272
PSR-MIS-C-A-R	Actuator	–	–	–	●	–	–	1533276

■ What type of application will the Safe I/O will control?	■ Which safety levels does the device / system need to conform?
■ How Many safe inputs / Outputs are needed?	■ What is the degree of protection needed for the application?
■ Which Safety Protocol will be needed to integrate with the control system?	■ Resulting Phoenix Contact part number

Type	Application	Input/Outputs				Protocol		Safety Approval				Degree of Protection	Order#
		Safeinputs	Safeoutputs	Clockoutputs	Relayoutputs	SafetyBridge Technology	PROFIsafe	Categoryinaccordance withENISO13849-1	PLinaccordancewith ENISO13849-1	SILCIinaccordancewith EN62061	SILinaccordancewith IEC61508		
AXL F SSDI8/4 1F 24 V DC	Input module	8	–	8	–	Yes	–	4	e	3	3	IP20	2702263
AXL F PSDOR4/2 1F	Relay module	–	–	–	4	–	Yes	4	e	3	3	IP20	2702858
AXL F SSDOR4/2 1F	Relay module	–	–	–	4	Yes	–	4	e	3	3	IP20	2702859
AXL F SSDO8/3 1F 24 V DC	Output module	–	8	–	–	Yes	–	4	e	3	3	IP20	2702264
AXL F PSDI8/4 1F 24 V DC	Input module	8	–	8	–	–	Yes	4	e	3	3	IP20	2701559
AXL F PSDO8/3 1F 24 V DC	Output module	–	8	–	–	–	Yes	4	e	3	3	IP20	2701560
AXL F LPSDO8/3 IF 24 V DC	Logic module with SafetyBridge Technology V3	–	8	–	–	Yes	–	4	e	3	3	IP20	2702171
AXL F PSAI8/2 1F	Input module with 8 safe analog inputs	–	–	–	–	–	Yes	4	e	3	3	IP20	1061424
AXL E IOL SDI8 SDO4 2A M12 L	Input and output module	8	4	8	–	Yes	Yes	4	e	3	3	IP65	1185380

PROFIsafe

SafetyBridge Technology

Designed by Phoenix Contact

PSRModular - Configurable Safety System



Type	Description	Inputs/Outputs				Safety Approval		Connection Technology	
		Inputs/EDMresetinputs	Outputs	Clockoutputs	Signaloutputs	PLinaccordancewith EN ISO 13849	SILinaccordancewith EN 62061/IEC 61508	Screwconnection	Push-inconnection
Basic modules									
PSR-M-B1	Base module	8/2	2 (pair)	4	2	e	3	1104981	1104972
PSR-M-B2 (Standard Version)	Base module (with large program memory)	8/4	2 (pair) or 4 (single)	4	4	e	3	1104974	1104975
PSR-M-B2 (Extreme conditions Version)	Base module (with large program memory)	8/4	2 (pair) or 4 (single)	4	4	e	3	-	1337849
PSR-M-B3 (Standard Version)	Base module (with integrated gateway)	8/4	4 (single)	4	4	e	3	1300899	1300897
PSR-M-B3 (Extreme Conditions version)	Base module (with integrated gateway)	8/4	4 (single)	4	4	e	3	-	1337855
PSR-M-B4	Base module (higher built in I/Os)	16/4	4 (single)	4	4	e	3	1738576	1738572
Safe extension modules									
PSR-M-EF1	Failsafe extension module	8/4	2 (pair) or 4 (single)	4	4	e	3	1104890	1104889
PSR-M-EF2	Failsafe extension module	16	–	4	–	e	3	1104888	1104887
PSR-M-EF3	Failsafe extension module for safety shut-off mats	12	–	8	–	e	3	1104885	1104884
PSR-M-EF4	Failsafe extension module	-/4	4 pairs	–	4	e	3	1104856	1104868
PSR-M-EF5	Failsafe extension module	-/4	2 (pair) or 4 (single), each 2 A	–	8	e	3	1104976	1104977
PSR-M-EF6	Failsafe extension module	-/4	4 relays	–	–	e	3	1104982	1104983
PSR-M-EF7	Failsafe extension module	4 analog	–	–	–	e	3	1104985	1104986
PSR-M-EF8	Failsafe extension module	8/2	2 (pair)	4	2	e	3	1105522	1105523
PSR-M-E1	Non-safe extension module	–	–	–	8	–	–	1105132	1105133
PSR-M-E2	Non-safe extension module	–	–	–	16	–	–	1105134	1105136
PSR-M-TBUS1	TBUS extension module	1 connection channel for local bus extension (up to 50 m per segment)				e	3	1105095	1105096
PSR-M-TBUS2	TBUS extension module	2 connection channels for local bus extension (up to 50 m per segment)				e	3	1105097	1105098

PSRModular - Configurable Safety System

Type	Description	Safety function in accordance with EN 61800-5-2				Sensor type				Encoder interfaces	Safety approval		Connection technology	
		SOS	SLS	SSR	SDI	Proximityswitch	TTL	HTL	Sin/Cos		PLinaccordancewith ENISO13849	SILinaccordancewith EN62061/IEC61508	Screwconnection	Push-inconnection
Safe motion monitoring														
PSR-M-EM1	Motion – PROXIMITY extension module	●	●	●	-	●	-	-	-	-	e	3	1104987	1104988
PSR-M-EM2	Motion – TTL extension module	●	●	●	●	●	●	-	-	1	e	3	1104989	1104990
PSR-M-EM3	Motion – HTL extension module	●	●	●	●	●	-	●	-	1	e	3	1105009	1105010
PSR-M-EM4	Motion – SINCOS extension module	●	●	●	●	●	-	-	●	1	e	3	1105011	1105012
PSR-M-EM5	Motion – TTL extension module	●	●	●	●	●	●	-	-	2	e	3	1105014	1105015
PSR-M-EM51	Extension module Motion – TTL Without voltage monitoring	●	●	●	●	●	●	-	-	2	e	3	1300906	1300905
PSR-M-EM6	Motion – HTL extension module	●	●	●	●	●	-	●	-	2	e	3	1105016	1105017
PSR-M-EM7	Motion – SINCOS extension module	●	●	●	●	●	-	-	●	2	e	3	1105018	1105093
Gatewas for PSR-M-B1 and PSR-M-B2. Note: PSR-M-B3 has built-in Gateway														
PSR-M-GW-PB	Gateway – PROFIBUS												1105099	1105100
PSR-M-GW-PN	Gateway – PROFINET												1105101	1105102
PSR-M-GW-DNET	Gateway – DeviceNet™												1105103	1105473
PSR-M-GW-CAN	Gateway – CANopen®												1105104	1105105
PSR-M-GW-ETH	Gateway – EtherNet/IP™												1105106	1105107
PSR-M-GW-MODTCP	Gateway – Modbus/TCP												1105108	1105127
PSR-M-GW-CCLINK	Gateway – CC-Link												1105128	1105129
PSR-M-GW-ECAT	Gateway – EtherCAT®												1105130	1105131

Heavy-Duty Connectors

Standard (Metal)



Evo (Plastic)



Selector Guide (Pick 4 Parts)			
1	2	3	4
INSERT (M&F)	BASE	SLEEVE HOUSING	CABLE GLAND
 +	 +	 +	

- How many poles do you need?
- What connection technology do you prefer?
- Gender (Male / Female)?
- Panel mounting with or without cover?
- Hood - top or lateral entry?

HEAVYCON STANDARD

Poles	Technology	Socket (F)		Plug (M)		Panel Mounting Base		Hood - Top Entry		Hood - Lateral Entry	
		Part Number	Description	Part Number	Description	With Cover	W/O Cover	Low Profile	High Profile	Low Profile	High Profile
6 poles	Screw	1648128	HC-B 6-I-UT-F	1648115	HC-B 6-I-UT-M	1411319	1411318	1412574 (M20)	1412566 (M25)	1412570 (M20)	1412562 (M25)
	Push-in	1407727	HC-B 6-I-PT-F	1407728	HC-B 6-I-PT-M	1411319	1411318	1412574 (M20)	1412566 (M25)	1412570 (M20)	1412562 (M25)
	Crimp	1648160	HC-B 6-I-CT-F	1648157	HC-B 6-I-CT-M	1411319	1411318	1412574 (M20)	1412566 (M25)	1412570 (M20)	1412562 (M25)
10 poles	Screw	1648186	HC-B 10-I-UT-F	1648173	HC-B 10-I-UT-M	1411321	1411320	1412629 (M20)	1412605 (M32)	1412625 (M25)	1412600 (M25)
	Push-in	1407729	HC-B 10-I-PT-F	1407730	HC-B 10-I-PT-M	1411321	1411320	1412629 (M20)	1412605 (M32)	1412625 (M25)	1412600 (M25)
	Crimp	1605569	HC-B 10-I-CT-F	1605624	HC-B 10-I-CT-M	1411321	1411320	1412629 (M20)	1412605 (M32)	1412625 (M25)	1412600 (M25)
16 poles	Screw	1648241	HC-B 16-I-UT-F	1648238	HC-B 16-I-UT-M	1411325	1411324	1412730 (M32)	1412689 (M32)	1412726 (M32)	1412679 (M32)
	Push-in	1407731	HC-B 16-I-PT-F	1407732	HC-B 16-I-PT-M	1411325	1411324	1412730 (M32)	1412689 (M32)	1412726 (M32)	1412679 (M32)
	Crimp	1648283	HC-B 16-I-CT-F	1648270	HC-B 16-I-CT-M	1411325	1411324	1412730 (M32)	1412689 (M32)	1412726 (M32)	1412679 (M32)
24 poles	Screw	1648306	HC-B 24-I-UT-F	1648296	HC-B 24-I-UT-M	1411332	1411331	1412779 (M32)	1412754 (M32)	1412774 (M32)	1412750 (M32)
	Push-in	1407735	HC-B 24-I-PT-F	1407736	HC-B24-I-PT-M	1411332	1411331	1412779 (M32)	1412754 (M32)	1412774 (M32)	1412750 (M32)
	Crimp	1648348	HC-B 24-I-CT-F	1648335	HC-B 24-I-CT-M	1411332	1411331	1412779 (M32)	1412754 (M32)	1412774 (M32)	1412750 (M32)

HEAVYCON EVO

Poles	Technology	Socket (F)		Plug (M)		Panel Mounting Base		Hood - Top And Lateral Entry	
		Part Number	Description	Part Number	Description	With Cover	W/O Cover	Low Profile	High Profile
6 poles	Screw	1648128	HC-B 6-I-UT-F	1648115	HC-B 6-I-UT-M	1407622	1407621	1407619	1407620
	Push-In	1407727	HC-B 6-I-PT-F	1407728	HC-B 6-I-PT-M	1407622	1407621	1407619	1407620
	Crimp	1648160	HC-B 6-I-CT-F	1648157	HC-B 6-I-CT-M	1407622	1407621	1407619	1407620
10 poles	Screw	1648186	HC-B 10-I-UT-F	1648173	HC-B 10-I-UT-M	1407633	1407632	1407626	1407627
	Push-In	1407729	HC-B 10-I-PT-F	1407730	HC-B 10-I-PT-M	1407633	1407632	1407626	1407627
	Crimp	1605569	HC-B 10-I-CT-F	1605624	HC-B 10-I-CT-M	1407633	1407632	1407626	1407627
16 poles	Screw	1648241	HC-B 16-I-UT-F	1648238	HC-B 16-I-UT-M	1407647	1407646	1420931	1407642
	Push-In	1407731	HC-B 16-I-PT-F	1407732	HC-B 16-I-PT-M	1407647	1407646	1420931	1407642
	Crimp	1648283	HC-B 16-I-CT-F	1648270	HC-B 16-I-CT-M	1407647	1407646	1420931	1407642
24 poles	Screw	1648306	HC-B 24-I-UT-F	1648296	HC-B 24-I-UT-M	1407662	1407661	1420935	1407657
	Push-In	1407735	HC-B 24-I-PT-F	1407736	HC-B24-I-PT-M	1407662	1407661	1420935	1407657
	Crimp	1648348	HC-B 24-I-CT-F	1648335	HC-B 24-I-CT-M	1407662	1407661	1420935	1407657

ACCESSORIES - Cable Gland

HEAVYCON STANDARD	
M20	1411163
M25	1411165
M32	1411166
M40	1411167

HEAVYCON EVO	
7-13mm	1407669 (M20 equivalent)
9-17mm	1407670 (M25 equivalent)
11-21mm	1407671 (M32 equivalent)
19-28mm	1407672 (M40 equivalent)

M12 Connectors

A comprehensive range of M8 and M12 flush-type connectors and panel feed-through has emerged as a result of the various requirements for sensor/actuator device connection technology in industrial environments.

Customer-specific developments for assembly enable optimum adaptation to individual device concepts.

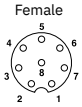
- 3 to 17 positions
- A, B, D, or X coding
- Available in Screw, Insulation displacement, Push-in, and Crimp connection



M8

	Positions	Connection Tech	Gender	Diameter	Order #	Description
3-position Female  Male 	3-Pos.	Screw	Male Straight	3.5-5 mm	1501252	SACC-M 8MS-3CON-M-SW
			Female Straight		1506888	SACC-M 8FS-3CON-M-SW
		Insulation Displacement	Male Straight	2.5-5 mm	1441008	SACC-M 8MS-3QO-0,25-M
			Female Straight		1441066	SACC-M 8FS-3QO-0,5-M
4-position Female  Male 	4-Pos.	Screw	Male Straight	3.5-5 mm	1681169	SACC-M 8MS-4CON-M
			Female Straight		1506891	SACC-M 8FS-4CON-M-SW
		Insulation Displacement	Male Straight	3.5-5 mm	1441037	SACC-M 8MS-4QO-0,5-M
			Female Straight	4-8 mm	1521601	SACC-FS-4QO-0,75-M SCO

M12

	Positions	Connection Tech	Head	Diameter	Order #	Description
4 -position Female  **4 -position** Male 	4-Pos.	Screw	Male Straight	4-6 mm	1662528	SACC-M12MS-4CON-PG 7-M
			Male Angled		1681101	SACC-M12MR-4CON-PG7-M
			Female Straight		1681127	SACC-M12FS-4CON-PG7-M
			Female Angled		1681143	SACC-M12FR-4CON-PG7-M
		Insulation Displacement	Male Straight	4-8 mm	1641785	SACC-M12MS-4QO-0,75-M
			Female Straight		1641772	SACC-M12FS-4QO-0,75-M
		Push-In	Male Straight	4-8 mm	1424657	SACC-MS-4PL M SCO
			Male Angled		1424654	SACC-M12MR-4PL M
			Female Straight		1424655	SACC-M12FS-4PL M
			Female Angled		1424656	SACC-M12FR-4PL M
5-position Female  **5-position** Male 	5-Pos.	Screw	Male Straight	4-6 mm	1663116	SACC-M12MS-5CON-PG 7-M
				6-8 mm	1681460	SACC-M12MS-5CON-PG 9-M
			Male Angled	4-6 mm	1663129	SACC-M12MR-5CON-PG 7-M
			Female Straight		1662968	SACC-M12FS-5CON-PG 7-M
			Female Angled		1662984	SACC-M12FR-5CON-PG 7-M
		Push-In	Male Straight	4-8 mm	1424649	SACC-M12MS-5PL M
			Female Straight		1424652	SACC-M12FS-5PL M
			Male Angled		1424651	SACC-M12MR-5PL M
			Female Angled		1424653	SACC-M12FR-5PL M
8-position Female  **8-position** Male 	8-Pos.	Screw	Female Straight	6-8 mm	1513347	SACC-M12FS-8CON-PG9-M
			Male Straight		1513334	SACC-M12MS-8CON-PG9-M

Cordsets



What thread size do you need on your cordset: M8 or M12?
How many positions (wires) are required?
What gender should the connectors be: female or male?
Is the head orientation straight or right angle?
What is the desired cordset length?
Resulting Phoenix Contact part numbers (shielded and non-shielded)
Select CMAT: Allows you to configure cable type/length (enter into extranet tool)
Do you need a mating front- or rear-mount receptacle with the cordset?

**Locknut not included with front mount. M8 locknuts (8 mm) = 1504071. M12 locknuts (16 mm) = 1504097

M8

	Positions	Gender	Head Orientation	Length	Non-Shielded PUR Jacket Part #	Non-Shielded CMAT #	Shielded PUR Jacket Part #	Shielded CMAT #	Front-Mount Receptacle	Rear-Mount Receptacle
3-Position Female  Male 	3-Pos.	Male/Female	Straight	1.5 m	1681923	1405935	1455285	1405828	1500350	1453449
		Female	Straight	5 m	1669628	1405956	1521737	1405834	1500334	1453478
			Right Angle		1669631	1405957	1521782	1405835	1500334	1453478
		Male	Straight		1681680	1405939	1521630	1405830	1500350	1453449
			Right Angle		1681716	1405944	1521685	1405833	1500350	1453449
		Female	Straight	10 m	1694101	1405956	1521740	1405834	1500334	1453478
			Right Angle		1694169	1405957	1521795	1405835	1500334	1453478
		Male	Straight		1693584	1405939	1521643	1405830	1500350	1453449
			Right Angle		1694114	1405944	1521698	1405833	1500350	1453449
4-position Female  Male 	4-Pos.	Male/Female	Straight	1.5 m	1682168	1405902	1455735	1405810	1500363	1453452
		Female	Straight	5 m	1681868	1405923	1521931	1405822	1500347	1453481
			Right Angle		1681897	1405924	1521986	1405823	1500347	1453481
		Male	Straight		1681800	1405906	1521834	1405818	1500363	1453452
			Right Angle		1681839	1405911	1521889	1405821	1500363	1453452
		Female	Straight	10 m	1683484	1405923	1521944	1405822	1500347	1453481
			Right Angle		1694172	1405924	1521999	1405823	1500347	1453481
		Male	Straight		1694143	1405906	1521847	1405818	1500363	1453452
			Right Angle		1694156	1405911	1521892	1405821	1500363	1453452

M12

	Positions	Gender	Head Orientation	Length	Non-Shielded PUR Jacket Part #	Non-Shielded CMAT #	Shielded PUR Jacket Part #	Shielded CMAT #	Front-Mount Receptacle	Rear-Mount Receptacle
3-Position Female  Male 		Male/Female	Straight	1.5 m	1681525		1500826			
	3-Pos.	Female	Straight	5 m	1683510	1405947	1682809	1405927	1523434	1419632
			Right Angle		1694525	1405959	1682838	1405934	1523450	1419629
		Male	Straight		1668030	1405949	1682676	1405929	1523434	1419632
			Right Angle		1668153	1405955	1682702	1405932	1523434	1419632
		Female	Straight	10 m	1693034	1405958	1500680	1405933	1523450	1419629
			Right Angle		1694538	1405959	1500693	1405934	1523450	1419629
		Male	Straight		1682566	1405949	1500664	1405929	1523434	1419632
			Right Angle		1694444	1405955	1500677	1405932	1523434	1419632
4-position Female  Male 	4-Pos.	Male/Female	Straight	1.5 m	1668373		1500868			
		Female	Straight	5 m	1668124	1405925	1682867	1405900	1523450	1419629
			Right Angle		1668247	1405926	1682922	1405901	1523450	1419629
		Male	Straight		1668069	1405916	1682647	1405896	1523434	1419632
			Right Angle		1668182	1405922	1682896	1405899	1523434	1419632
		Female	Straight	10 m	1683002	1405925	1500716	1405900	1523450	1419629
			Right Angle		1681389	1405926	1500729	1405901	1523450	1419629
		Male	Straight		1682993	1405916	1694389	1405896	1523434	1419632
			Right Angle		1694457	1405922	1500703	1405899	1523434	1419632
5-position Female  Male 	5-Pos.	Male/Female	Straight	1.5 m	1681606	1405886	1500907	1405877	1520039	1419658
		Female	Straight	5 m	1669848	1405892	1682951	1405884	1520055	1419645
			Right Angle		1669877	1405893	1682980	1405885	1520055	1419645
		Male	Straight		1669783	1405888	1682731	1405879	1520039	1419658
			Right Angle		1669819	1405891	1682773	1405883	1520039	1419658
		Female	Straight	10 m	1683374	1405886	1500758	1405877	1520039	1419658
			Right Angle		1694541	1405892	1500761	1405884	1520055	1419645
		Male	Straight		1683361	1405893	1500732	1405885	1520055	1419645
			Right Angle		1694460	1405888	1500745	1405879	1520039	1419658
8-position Female  Male 	8-Pos.	Male/Female	Straight	1.5 m	1522697	1405891	1522985	1405883	1520039	1419658
		Female	Straight	5 m	1520369	1405851	1522888	1405843	1523492	1419687
			Right Angle		1522642	1405852	1522930	1405844	1523492	1419687
		Male	Straight		1522516	1405847	1526981	1405839	1523476	1419690
			Right Angle		1522561	1405850	1522833	1405842	1523476	1419690
		Female	Straight	10 m	1520372	1405851	1522891	1405843	1523492	1419687
			Right Angle		1522655	1405852	1522943	1405844	1523492	1419687
		Male	Straight		1522529	1405847	1522794	1405839	1523476	1419690
			Right Angle		1522574	1405850	1522846	1405842	1523476	1419690

M8/M12 Distributor Boxes

Use distributor boxes for quick and clear cabling in the field. Distributor boxes bundle several cables into one master cable that is connected to the controller. Thanks to the status indicator, you have an overview of a large number of signals.

- Increased machine availability, thanks to easy diagnostics
- Safety in the field, thanks to molded housing and high degree of protection
- Flexible cabling, thanks to the wide product range and various master cable connections

M8 Metal Thread



8 Positions | Single Occupancy | ✓ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1197232 (5m)	1197611 (Screw)	1197575 (M12 to M8)
1197236 (10m)	1197616 (Spring)	1166980 (M16 to M8)



8 Positions | Double Occupancy | ✓ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1197314 (5m)	1197617 (Screw)	N/A
1197319 (10m)	1197620 (Spring)	

M12 SPEEDCON Metal Thread



8 Positions | Single Occupancy | ✕ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1517042 (5m)	1516881	N/A
1517055 (10m)		



8 Positions | Double Occupancy | ✕ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1517068 (5m)	1516894	N/A
1517071 (10m)		



8 Positions | Single Occupancy | ✓ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1517165 (5m)	1516823	N/A
1517178 (10m)		



8 Positions | Double Occupancy | ✓ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1517181 (5m)	1516836	N/A
1517194 (10m)		

M12 SPEEDCON Plastic Thread



8 Positions | Single Occupancy | ✕ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1452518 (5m)	1452783	N/A
1452521 (10m)		



8 Positions | Double Occupancy | ✕ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1452547 (5m)	1452796 (Screw)	1692844 (M23 to M12)
1452550 (10m)	1452974 (Spring)	



8 Positions | Single Occupancy | ✓ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1452699 (5m)	1452848 (Screw)	N/A
1452709 (10m)	1453025 (Spring)	



8 Positions | Double Occupancy | ✓ LED

Connection Type		
Master Cables	Cable Glands	Connectors
1452725 (5m)	1452851 (Screw)	1692459 (M23 to M12)
1452738 (10m)	1453038 (Spring)	

Accessories

Master Cable Ring
for Sensor/Actuator boxes





Cross Section

1503344	50m	PUR/PVC Black

Master Cable
M23 Plug Connection



19 pos.

1684056	5m	PUR/PVC Black

Connectivity

Circular Connectors

Circular Connectors in Metric sizes M5 to M12 have become standard in numerous industries and areas of application. The board product range from Phoenix Contact enables uniform connection solutions for signal, data and power transmission in the device.

- Data rates up to 10 Gbps
- Signal up to 17 - Positions
- Power up to 16 A/690 V
- Locking System - Locking with a click, Push-Lock, Insulation displacement, Crimp, Screw & Pierece connection
- Shielded and Angled Female Connector Options Available

Power - Assembled Cables with M12 Connectors						
Coding	**S**	**T**	**L**	**L**	**K**	**M**
No.of Position	**3+PE**	**4**	**4**	**4+PE**	**4+PE**	**5+PE**
Cross-section	**1.5 mm2**	**1.5 mm2**	**2.5 mm2**	**2.5 mm2**	**2.5 mm2**	**1.5 mm2**
Cable Length						
Straight Male Connector, Free cable end unshielded						
2m	1408836	1408813	-	-	-	-
3m	-	-	1425066	1414887	1414870	1414953
5m	1408837	1408814	1425067	1414891	1414875	1414957
10m	1408838	1408815	1425028	1414895	1414879	1414961
Straight Female Connector, Free cable end unshielded						
2m	1408844	1408824	-	-	-	-
3m	-	-	1425074	1414790	1414788	1414910
5m	1408845	1408825	1425075	1414806	1414804	1414918
10m	1408846	1408826	1425076	1414823	1414821	1414926



Signal - Assembled cables with M12 Push - Pull Connectors (PUR)						
Cable Length	**3 - Pos**	**4 - Pos**	**5 - Pos**	**3 - Pos Shielded**	**4 - Pos Shielded**	**5 - Pos Shielded**
Straight Male Connector, Free cable end						
1.5m	1384594	1392638	1393925	1476550	1476855	1476903
3m	1385536	1392698	1395703	1476806	1476854	1476902
5m	1385538	1392709	1395709	1476805	1476853	1476901
10m	1385625	1392713	1395710	1476803	1476851	1476900
Angled male connector, free cable end						
1.5m	1385626	1392735	1395742	1476802	1476850	1476899
3m	1385643	1392755	1395750	1476800	1476848	1476898
5m	1385646	1392829	1395803	1476798	1476846	1476897
10m	1385647	1392834	1395805	1476796	1476845	1476895
Straight female connector, free cable end						
1.5m	1385782	1392839	1395814	1476794	1476844	1476893
3m	1385791	1393005	1395817	1476792	1476843	1476892
5m	1385792	1393026	1395822	1476791	1476842	1476890
10m	1385968	1393032	1395827	1476788	1476841	1476889
Angled female connector, free cable end						
1.5m	1386380	1393038	1395830	1476786	1476840	1476888
3m	1386394	1393047	1395831	1476785	1476839	1476886
5m	1386513	1393072	1395834	1476784	1476838	1476885
10m	1386514	1393169	1395835	1476782	1476837	1476884

Data - Assembled Network Cables with M12 Connectors (PUR)							
Cable Length	**X-Coded**	**D-Coded**	**Push-Pull D-Coded**	**Y-Coded**	**D-Coded**	**B-Coded**	**A-Coded**
	Ethernet CAt6	**Ethernet**	**Ethernet**	**Ethernet**	**PROFINET**	**PROFIBUS**	**"DeviceNet CANopen"**
Straight Male Connector, free cable end							
1m	1407467	1407356	1476008	1407487	1407495	-	-
2m	1407468	1407357	1476012	1407488	1407496	1507243	1507421
5m	1407469	1407358	1476013	1407489	1407497	1507256	1507434
10m	1407470	1407359	1476014	1407490	1407498	1507269	1507447
15m	-	-	-	-	-	1507272	1507450
Variable	1408648	1408713	-	1408642	1408640	1538047	1538102
Straight Female Connector, free cable end							
1m	-	1407380	1476016	-	1407528	-	-
2m	-	1407381	1476018	-	1407529	1507298	1507476
5m	-	1407382	1476019	-	1407530	1507308	1507489
10m	-	1407383	1476020	-	1407531	1507311	1507492
15m	-	-	-	-	-	1507324	1507502
Variable	-	1408679	-	-	1408623	1538063	1538128

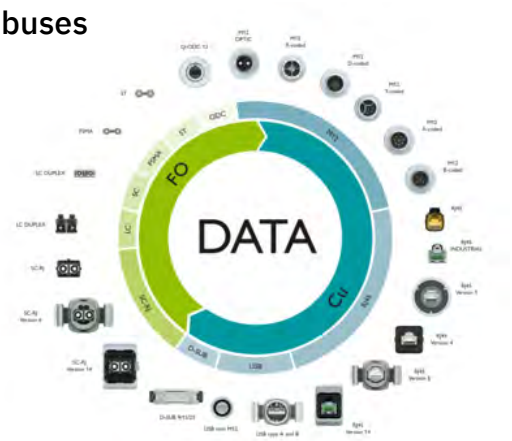
Data Connectors

The world is becoming increasingly networked. And that means more interfaces on devices. Phoenix Contact offers a comprehensive portfolio of data connectors from RJ45 to USB, HDMI, and D-SUB, up to coaxial and FO connections, as well as for SPE. Expert advice and excellent services for all aspects of device connection supplement the product range – the ideal basis for networking smart devices.

Copper - Based & Fibre Optic Data Cables for Networks and Fieldbuses

RJ45 Connectors					
Protocol	Ethernet			PROFINET	Ethernet
Connection Technology	IDC Insulation Displacement Connectors				Crimp
Conection Range	AWG 26 ... AWG 24	AWG 26 ... AWG 23		AWG 22	AWG 27 ... AWG 24
CAT5		1656725	1658008	1658435	1414382
CAT6	1419001				1414395

RJ45 INDUSTRIAL Connectors								
Connection Technology	IDC Insulation Displacement Connectors							
Protocol	PROFINET				Ethernet			
Connection Range	AWG 23 ...AWG 22				AWG 26 ... AWG 24			
Category	CAT5			CAT6	CAT5			CAT6
Cable Outlet	Straight	Upward	Downward	Straight	Straight	Upward	Downward	Straight
Part Number	1421126	1421127	1421128	1149847	1421607	1421876	1421877	1149846



SPE Connectors, IP20					
Description	SPE PCB Connector 180	SPE PCB Connector 90	SPE PCB Connector 90 LED	SPE Network Cable	SPE-IDC Connector
Type of Contact	Male			Female	Female
Conection Method	THR and Wave Soldering			-	IDC Insulation Displacement Connection
LED	-	-	Yes	-	-
Part Number	1163798	1163797	1215778	1183808 (2m)	1343953

RJ45 Standard Patch Cables - Webcode #2676			RJ45 Standard Patch Cables - Webcode #2676		
Length	CAT5	CAT6	Length	CAT5 upto 100 Mbps	CAT6 up to Gbps
0.3m	1227558	1227572		93B	94F
0.5m	1227559	1227573	0.5m	1112877	1113823
1m	1227560	1227575	1.0m	1112876	1112909
1.5m	1227561	1227578	2.0m	1112875	1112908
2m	1227562	1227580	3.0m	1112874	1112907
3m	1227563	1227581	5.0m	1112873	1112906
5m	1227564	1227583	CAT5 (100Mbps) 93B, 93C, 93K, 93M, 93R CAT5 (1 Gbps) 94B, 94C, 94D CAT6 (10 Gbps) 94F		CAT5 (100Mbps) - PROFINET/EtherCAT/Sercos CAT6 (10 Gbps) - Ethernet
7.5m	1227565	1227585			
10m	1227566	1227588			
12.5m	1227567	1227590			
15m	1227570	1227591			
20m	1227571	1227593			

Love our Phoenix Contact Switches?

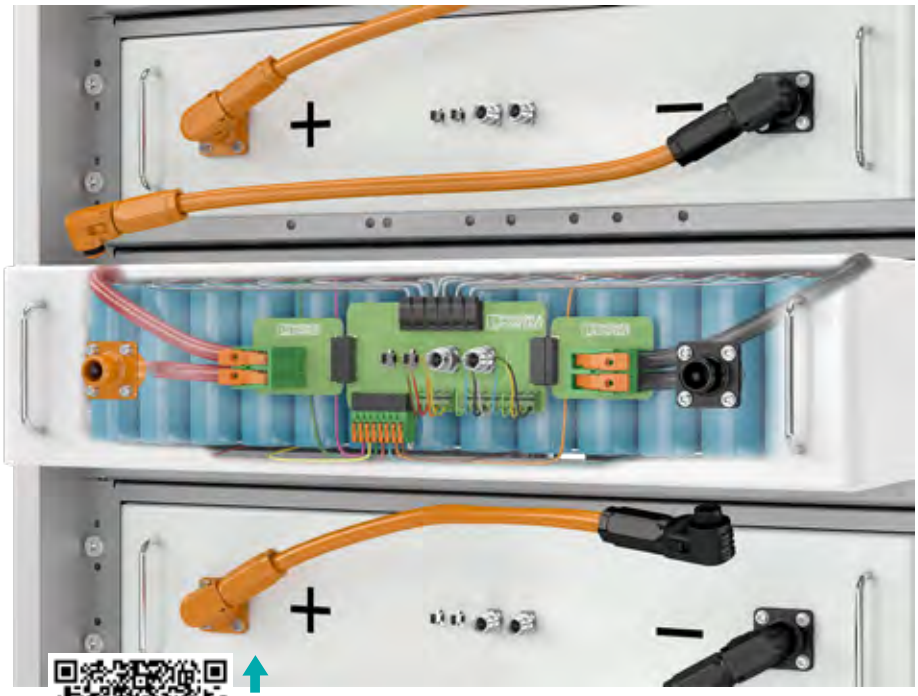
Pair them with our secure Patch cables to complete the solution.



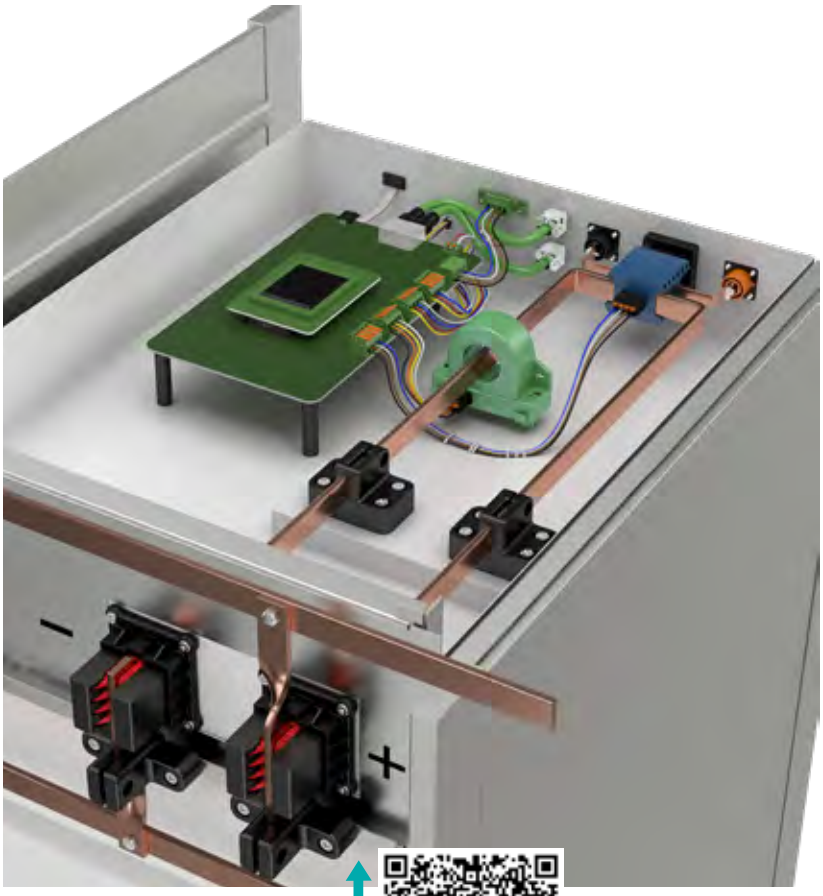


Our connection technology portfolio for energy storage

Energy storage systems are made up of different components that all contribute to the function of the overall system. Benefit from our portfolio of PCB connections, connectors, and electronics housings that demonstrate our strong innovation power. Get solutions for signal, data, and power transmission from a single source and integrate them into your applications.



View:
Web Code: #2346



Components for rack BMS insertion

The rack BMS slide-in module connects to the overall system via a blind-mating feature on the rear, thus not endangering the installer in any way. On the front, the individual battery modules of the rack are connected via efficient and user-friendly plug-in connections. Innovative connection technologies for fast and reliable manufacturing processes are used for the internal wiring of power, signal, and data components.

View:
Web Code: #2711



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USB Connectors



Learn more:
PRC installation connectors



Learn more:
M17-M40 PRO circular connectors



Learn more:
Single Pair Ethernet



Learn more:
M12 push-pull connectors

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To begin a return, you must log in to the eShop and select the product they wish to return. Detailed instructions are provided on the service page, requiring only essential data for processing the return. You can submit additional descriptions and attachments, such as photos, in the designated text fields to offer more context or clarification.

So let us help you. If you need to return a product for any reason have a look our returns and repairs page or reach out to customer service and let's figure out the next steps together!



Repairs and returns
Learn more





Phoenix Contact ANZ Training Academy

As industrial environments evolve, the demand for smarter, more resilient systems grow. Products in connectivity, power reliability, switching & conversion, and shopfloor productivity are essential for competitive manufacturing.

Companies embrace integrated solutions that ensure seamless communication, stable power, efficient energy management, and optimised workflows. This requires openness to new technologies, proven standards, and scalable designs that adapt quickly to changing needs. Phoenix Contact delivers innovative solutions, enabling businesses to achieve maximum efficiency, reliability, and flexibility in their operations.

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Power Reliability

The heart of your installation, all control systems are dependent on being properly powered and protected. Surge and circuit protection, UPS backup, and redundant power solutions are the foundation on which reliable control systems should be built.

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From single components to fully integrated systems, Phoenix Contact delivers reliable solutions powered by cutting-edge technologies in industrial networking, automation, safety, switching, signal conversion, and motor control, driving innovation and high performance across every application.

Cabinet Efficiency

Efficiency in cabinet building beings with Phoenix Contact's modular and scalable solutions. From design to installation, our innovative products simplify processes, shorten assembly times, and ensure consistent quality across every project.

Connectivity

Discover our wide range of new products for the transmission of signals, data, and power. Reliable and cost effective solutions including Circular Connectors, Data ports, Connectors for Energy Storage and many more.

PLCnext Technology

PLCnext Control are the hardware of PLCnext Technology and offer an open Linux environment with access to more data via IoT systems and more flexibility. In addition to standards such as IEC 61131, the combination of programming languages such as C/C++, C#, Python and NodeRed are also possible.



LIFETIME WARRANTY
BUILD WITH CONFIDENCE

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Choose Phoenix Contact with confidence

Phoenix Contact engineers durable and reliable products for your control cabinet. A dedication to quality and innovation, united with our strong commitment to provide customers peace of mind, form the foundation of this exclusive Phoenix Contact warranty program.

For customers participating in our Complete Cabinet Confidence Lifetime Warranty (LW) program, Phoenix Contact New Zealand will warrant many of our products to be free from defects in workmanship and materials for the lifetime of the product. Registration is required, and certain restrictions apply. Improperly applied or installed products may void warranty. See the complete terms and conditions for full details.

Our goal is to be your most trusted partner in building your control cabinet. We believe that achieving peace of mind should be easy!

Simple Three Step Registration

To assure your Phoenix Contact products are covered under our exclusive Lifetime Warranty, follow these steps:

Step 1: Submit your registration (www.phoenixcontact.com/en-nz/nz-lifetime-warranty).

Step 2: Select and install Phoenix Contact products in accordance with our recommendations.

Step 3: Make sure all electronics are powered and protected with appropriate Phoenix Contact power supplies and surge protection.

For participation in the Phoenix Contact Complete Cabinet Confidence Lifetime Warranty (LW) program, customer registration is required. Certain restrictions apply. Coverage of products in the program is limited to Phoenix Contact products sold in New Zealand. Improperly applied or installed products may void warranty.

To review the Lifetime Warranty Terms & Conditions, go to: www.phoenixcontact.com/en-nz/nz-lifetime-warranty

Lifetime Warranty
Register here

Ongoing communication with customers and partners worldwide

Phoenix Contact is a global, market leader based in Germany.

Our group is known for its future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation.

With a global network reaching across more than 100 countries and 22,000 employees, we can stay in close contact with our customers, something we believe is essential to success. The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for multiple applications and industries. We especially focus on the fields of energy, infrastructure, process, and factory automation.



You will find our complete product range at:
www.phoenixcontact.co.nz

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PHOENIX CONTACT NZ. Ltd.

CONTACT US

Technical Support number: +64 508 474 636 (toll free)
E-mail: sales@phoenixcontact.co.nz
Website: www.phoenixcontact.co.nz

OUR LOCATIONS

AUCKLAND Head Office
Unit 15C, 930 Great South Road,
Penrose, AUCKLAND 1061
Phone: 0508 477 636

AUCKLAND NORTH
Phone: 021 315 628

AUCKLAND
Phone: 021 315 628

WAIKATO/BOP
Phone: 021 470 504

CENTRAL REGION
Phone: 021 710 203

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