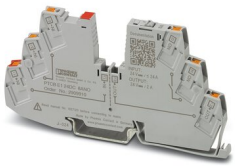
Electronic circuit breaker - PTCB E1 24DC/8A NO

2909910

https://www.phoenixcontact.com/us/products/2909910

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1-channel, electronic circuit breaker for protecting loads at 24 V DC against overload and short circuit. Easy potential distribution with components from the CLIPLINE complete terminal block system. With fixed nominal current. For installation on DIN rails.

Your advantages

- Simple application setup due to bridging option to CLIPLINE complete terminal block system
- More space in the control cabinet: narrowest protection on just 6 mm width
- Individual setup for suitable protection, exactly according to your requirements

Commercial Data

Item number	2909910
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C32
Product Key	CLA135
Catalog Page	Page 379 (C-4-2019)
GTIN	4055626408774
Weight per Piece (including packing)	44.3 g
Weight per Piece (excluding packing)	27.64 g
Customs tariff number	85363010
Country of origin	DE

Technical Data

Notes

General

Note	EN 50121-3-2: Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock – Apparatus
	Connection for signal line tested in accordance with EN 61000-4-4 with 1 kV; if necessary, customer must provide appropriate protective measures
	Repeated hard short circuits can reduce the melting integral of the integrated backup fuse.

Product properties

Type	DIN rail module, one-piece
Product type	Device circuit breakers
Number of positions	1
No. of channels	1

Insulation characteristics

Protection class	III
Pollution degree	2

Electrical properties

No. of channels	1

General

Operating voltage	18 V DC ... 30 V DC
Rated voltage	24 V DC
Rated current I_N	24 A DC (Total current input)
	8 A DC (Rated current output)
Rated current (pre-adjusted)	8 A
Rated surge voltage	0.5 kV
Tripping method	E (electronic)
Feedback resistance	max. 35 V DC
Required backup fuse	Only required if I_{max} of the power supply > the short-circuit switching capacity. Integrated failsafe element.
Short-circuit switching capacity	300 A
Dielectric strength	max. 35 V DC (Load circuit)
Fuse	electronic
Efficiency	> 99 %
Closed circuit current I_0	typ. 12 mA
Power dissipation	typ. 0.3 W (No-load operation)
	< 1.6 W (Nominal operation)
Module initialization time	1 s
Waiting time after switch off of a channel	5 s (at overload / short circuit)

Measuring tolerance I	± 15 %
Temperature derating	21 A (Total current at 60°C)
	24 A (Total current at 50°C)
	7 A (Channel current at 60°C)
	8 A (Channel current at 50°C)
MTBF (IEC 61709, SN 29500)	25641025 h (at 25 °C with 21 % load)
	10989010 h (at 40°C with 34.25% load)
	1149425 h (at 55°C with 100% load)
Voltage drop	0.13 V (at 8 A)
Fail-safe element	15 A DC

Load circuit

Shutdown time	≤ 10 ms (for short circuit > 2.0 x I_N)
	1 s (1.2 ... 2.0 x I_N)
Undervoltage switch-off	≤ 17.8 V DC (active)
	≥ 18.8 V DC (inactive)
Overvoltage switch-off	≥ 30.5 V DC (active)
	≤ 29.5 V DC (inactive)
Max. capacitive load	35000 µF (Depending on the available short-circuit current)

Indicator/remote signaling

Connection name	Remote indication circuit
Switching function	N/O contact
Operating voltage	0 V DC ... 30 V DC
Operating current	100 mA DC

Connection data

Main circuit IN+

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm² ... 2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm² ... 2.5 mm²

Main circuit IN-

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm² ... 2.5 mm²
Conductor cross section flexible, with ferrule without plastic	0.2 mm² ... 2.5 mm²

sleeve	

Main circuit OUT

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm² ... 2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm² ... 2.5 mm²

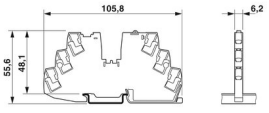
Remote indication circuit

Connection method	Push-in connection
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 14
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm² ... 2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm² ... 2.5 mm²

LED signaling

Channel LED off	off (Channel switched off)
Channel LED yellow	lit (Channel switched on, channel load > 80%)
	flashing (Programming mode active)
Channel LED green	lit (Channel switched on)
Channel LED red	lit (Channel switched off, over- or undervoltage active)
	ON temporarily (Channel switched off, 5 s cool-down phase, overload or short-circuit release)
	flashing (Channel switched off, ready to be switched back on, overload or short-circuit release)
	flashing quickly (Channel switched off, external voltage at the output, possible installation error)

Dimensions

Dimensional drawing	
Width	6.2 mm
Height	105.8 mm
Depth	55.6 mm (incl. DIN rail 7.5 mm)

Material specifications

Color	traffic grey A RAL 7042
Material	PBT (Housing)

	PBT (Pusher)
Flammability rating according to UL 94	V-0

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-30 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	≤ 3000 m up to 52 °C (amsl (above mean sea level))
	≤ 4000 m up to 46 °C (amsl (above mean sea level))
Humidity test	96 h, 95 % RH, 40 °C
Shock (operation)	30g (IEC 60068-2-27, Test Ea)
Vibration (operation)	10 Hz ... 59.6 Hz (Amplitude ±0.35 mm; in accordance with IEC 60068-2-6, Test Fc)
	59.6 Hz … 150 Hz (Acceleration 5g; in accordance with IEC 60068-2-6, Test Fc)
	5 Hz … 100 Hz (Resonance search 4g; resonance frequency 4g; 90 min in accordance with DNV GL Class B)

Approval data

UL approval

Identification	UL/C-UL Listed UL 508
	UL Recognized UL 2367
	UL/C-UL Listed ANSI/UL 121201 Class I, Division 2, Groups A, B, C, D; T4 (Hazardous Location)

Shipbuilding approval

Identification	DNV GL

DNV GL data

Temperature	D
Humidity	B
Vibration	B
EMC	B
Enclosure	A

Standards and regulations

Standards/specifications	EN 61000-6-2
Standards/specifications	EN 61000-6-3
Standards/specifications	EN 60068-2-78
Standards/specifications	EN 50178
Standards/specifications	EN 60068-2-6
Standards/specifications	EN 60068-2-27
Standards/specifications	EN 60068-2-30
Standards/specifications	EN 61373

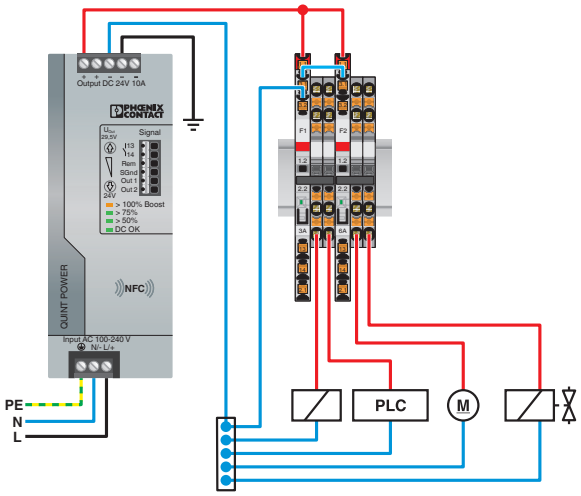
Standards/specifications	EN 45545-2

Mounting

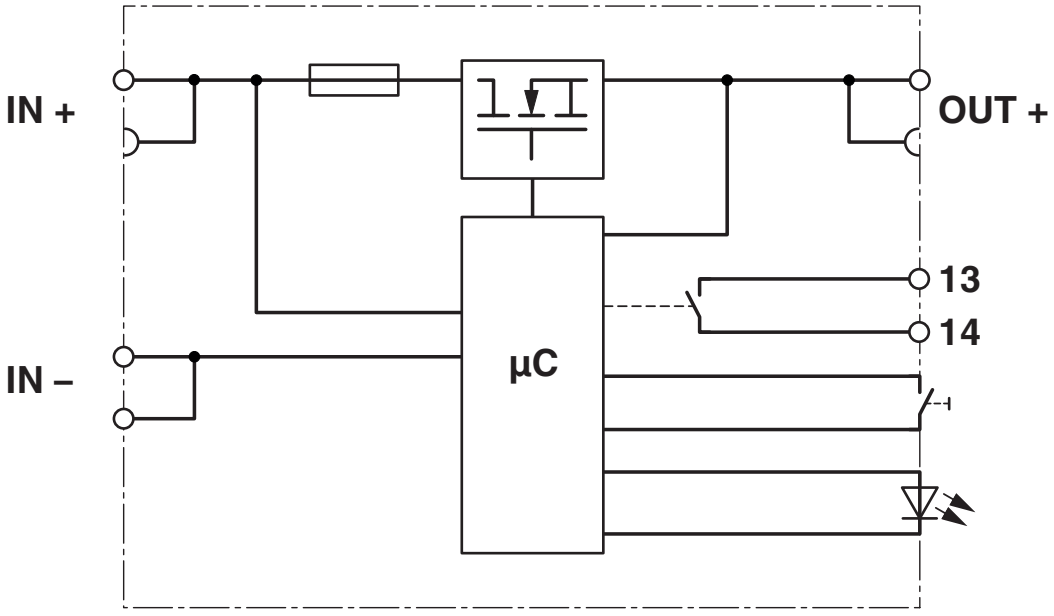
Mounting type	DIN rail: 35 mm

Drawings

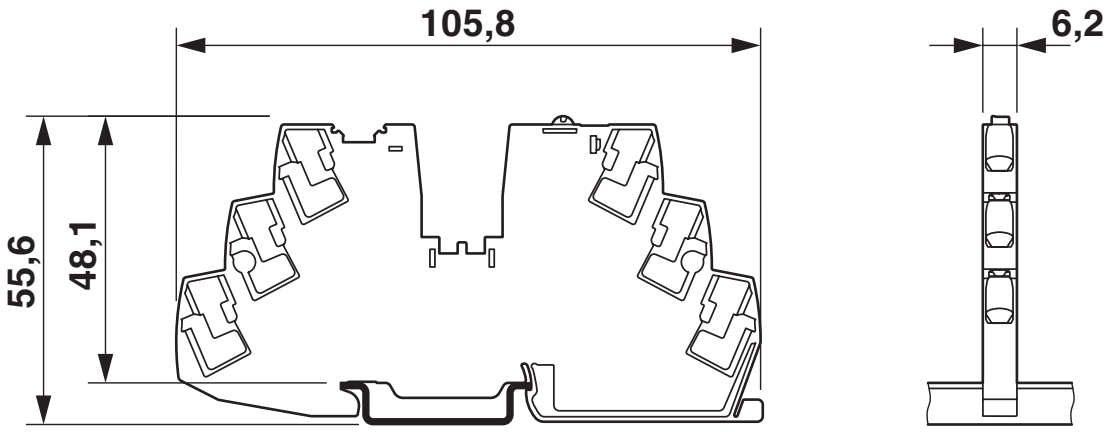
Application drawing



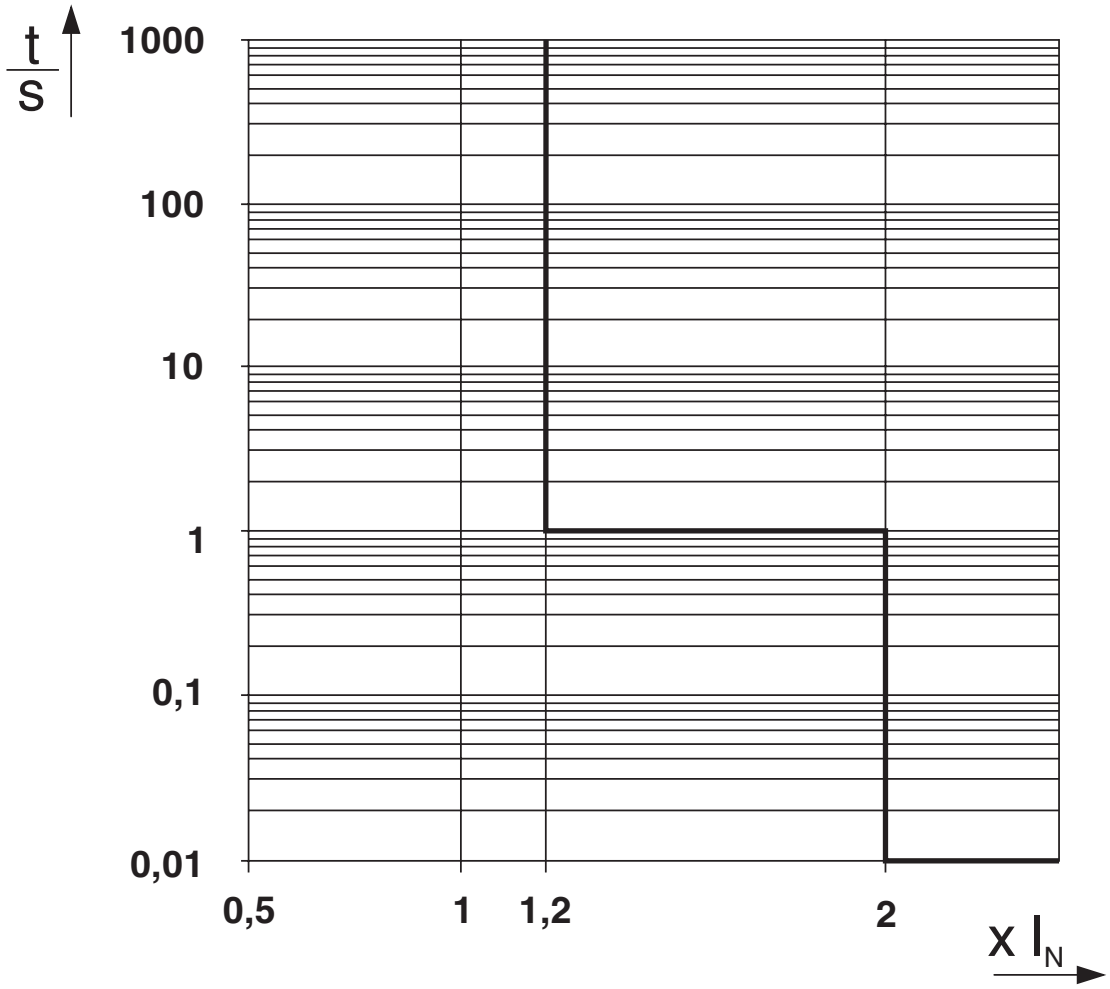
Block diagram



Dimensional drawing

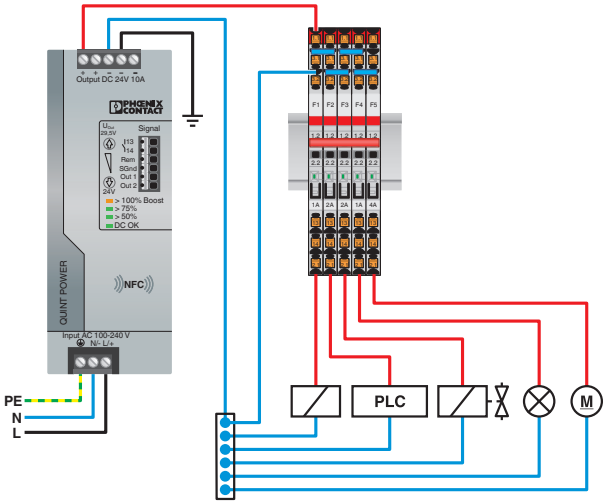


Diagram

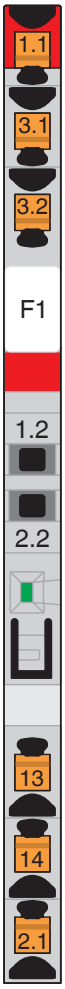


Trigger characteristic in the DC range

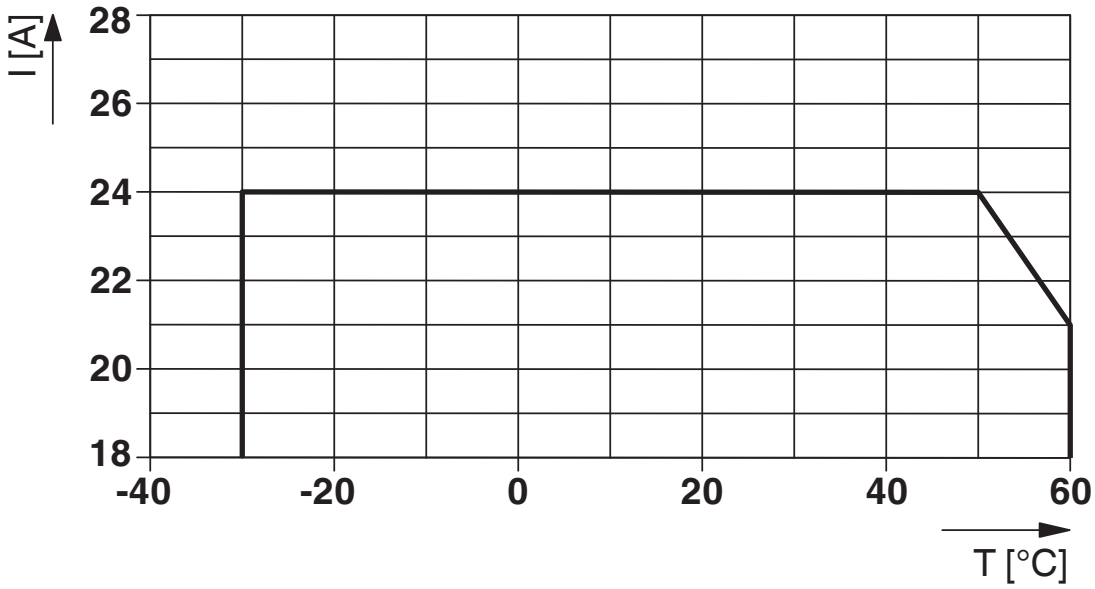
Application drawing



Product drawing

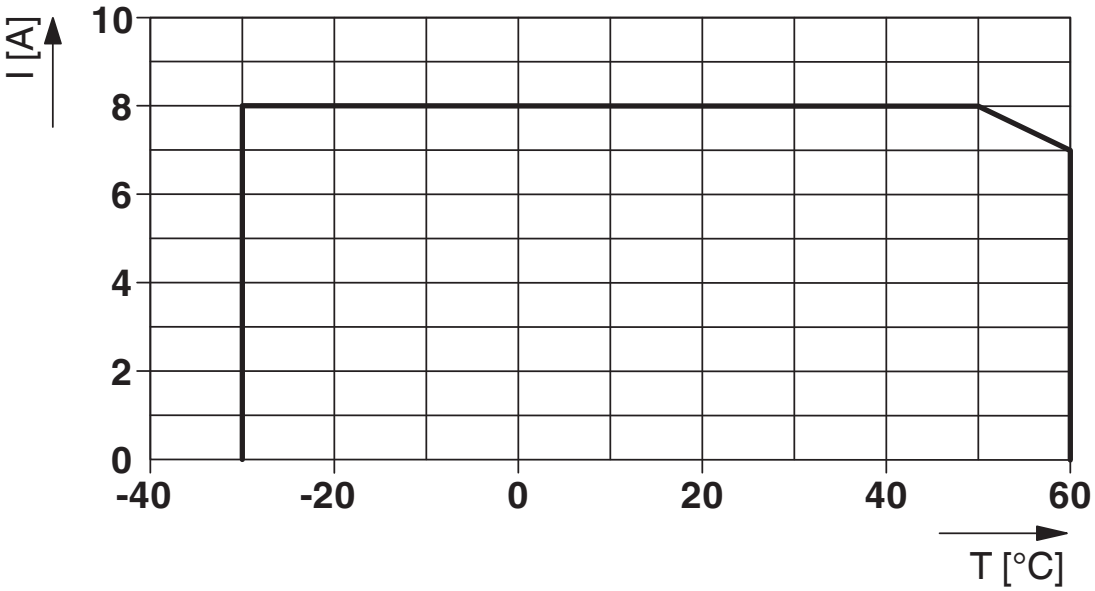


Diagram



Total current input

Diagram



Channel current output

Approvals

UL Recognized
Approval ID: FILE E 317172

DNV GL
Approval ID: TAE00003UT

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

UL Listed
Approval ID: FILE E 123528

cUL Listed
Approval ID: FILE E 123528

UL Recognized
Approval ID: FILE E 324415

cUL Listed
Approval ID: FILE E 483407

UL Listed
Approval ID: FILE E 483407

cULus Listed

cULus Listed

Classifications

ECLASS

ECLASS-9.0	27141116
ECLASS-10.0.1	27140401
ECLASS-11.0	27140401

ETIM

ETIM 8.0	EC003538

UNSPSC

UNSPSC 21.0	39121400

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer’s declaration available under “Downloads”

Accessories

Note: Applying some accessories below might limit this product.

Plug-in bridge

Plug-in bridge - FBS 2-6 - 3030336

https://www.phoenixcontact.com/us/products/3030336



Plug-in bridge, pitch: 6.2 mm, color: red

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 3-6 - 3030242

https://www.phoenixcontact.com/us/products/3030242



Plug-in bridge, pitch: 6.2 mm, color: red

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 4-6 - 3030255

https://www.phoenixcontact.com/us/products/3030255



Plug-in bridge, pitch: 6.2 mm, color: red

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 5-6 - 3030349

https://www.phoenixcontact.com/us/products/3030349



Plug-in bridge, pitch: 6.2 mm, color: red

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 10-6 - 3030271

https://www.phoenixcontact.com/us/products/3030271



Plug-in bridge, pitch: 6.2 mm, color: red

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 20-6 - 3030365

https://www.phoenixcontact.com/us/products/3030365



Plug-in bridge, pitch: 6.2 mm, color: red

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 50-6 - 3032224

https://www.phoenixcontact.com/us/products/3032224



Plug-in bridge, pitch: 6.2 mm, color: red

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 2-6 BU - 3036932

https://www.phoenixcontact.com/us/products/3036932



Plug-in bridge, pitch: 6.2 mm, color: blue

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 3-6 BU - 3036945

https://www.phoenixcontact.com/us/products/3036945



Plug-in bridge, pitch: 6.2 mm, color: blue

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 4-6 BU - 3036958

https://www.phoenixcontact.com/us/products/3036958



Plug-in bridge, pitch: 6.2 mm, color: blue

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 5-6 BU - 3036961

https://www.phoenixcontact.com/us/products/3036961



Plug-in bridge, pitch: 6.2 mm, color: blue

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 10-6 BU - 3032198

https://www.phoenixcontact.com/us/products/3032198



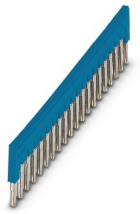
Plug-in bridge, pitch: 6.2 mm, color: blue

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 20-6 BU - 3032208

https://www.phoenixcontact.com/us/products/3032208



Plug-in bridge, pitch: 6.2 mm, color: blue

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 50-6 BU - 3032211

https://www.phoenixcontact.com/us/products/3032211



Plug-in bridge, pitch: 6.2 mm, color: blue

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 2-6 GY - 3032237

https://www.phoenixcontact.com/us/products/3032237



Plug-in bridge, pitch: 6.2 mm, color: gray

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 3-6 GY - 3032240

https://www.phoenixcontact.com/us/products/3032240



Plug-in bridge, pitch: 6.2 mm, color: gray

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 4-6 GY - 3032279

https://www.phoenixcontact.com/us/products/3032279



Plug-in bridge, pitch: 6.2 mm, color: gray

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 5-6 GY - 3032266

https://www.phoenixcontact.com/us/products/3032266



Plug-in bridge, pitch: 6.2 mm, color: gray

Max. current carrying capacity: 32 A

Plug-in bridge

Plug-in bridge - FBS 2-5 - 3030161

https://www.phoenixcontact.com/us/products/3030161



Plug-in bridge, pitch: 5.2 mm, color: red

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 3-5 - 3030174

https://www.phoenixcontact.com/us/products/3030174



Plug-in bridge, pitch: 5.2 mm, color: red

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 4-5 - 3030187

https://www.phoenixcontact.com/us/products/3030187



Plug-in bridge, pitch: 5.2 mm, color: red

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 5-5 - 3030190

https://www.phoenixcontact.com/us/products/3030190



Plug-in bridge, pitch: 5.2 mm, color: red

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 10-5 - 3030213

https://www.phoenixcontact.com/us/products/3030213



Plug-in bridge, pitch: 5.2 mm, color: red

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 20-5 - 3030226

https://www.phoenixcontact.com/us/products/3030226



Plug-in bridge, pitch: 5.2 mm, color: red

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 50-5 - 3038930

https://www.phoenixcontact.com/us/products/3038930



Plug-in bridge, pitch: 5.2 mm, color: red

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 2-5 BU - 3036877

https://www.phoenixcontact.com/us/products/3036877



Plug-in bridge, pitch: 5.2 mm, color: blue

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 3-5 BU - 3036880

https://www.phoenixcontact.com/us/products/3036880



Plug-in bridge, pitch: 5.2 mm, color: blue

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 4-5 BU - 3036893

https://www.phoenixcontact.com/us/products/3036893



Plug-in bridge, pitch: 5.2 mm, color: blue

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 5-5 BU - 3036903

https://www.phoenixcontact.com/us/products/3036903



Plug-in bridge, pitch: 5.2 mm, color: blue

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 10-5 BU - 3036916

https://www.phoenixcontact.com/us/products/3036916



Plug-in bridge, pitch: 5.2 mm, color: blue

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 20-5 BU - 3036929

https://www.phoenixcontact.com/us/products/3036929



Plug-in bridge, pitch: 5.2 mm, color: blue

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 50-5 BU - 3032114

https://www.phoenixcontact.com/us/products/3032114



Plug-in bridge, Version with single- or double-sided cutting edge. Please keep in mind the possible impact on touch protection
as well as air clearances and creepage distances., pitch: 5.2 mm, color: blue

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 2-5 GY - 3038969

https://www.phoenixcontact.com/us/products/3038969



Plug-in bridge, pitch: 5.2 mm, color: gray

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 3-5 GY - 3038972

https://www.phoenixcontact.com/us/products/3038972



Plug-in bridge, pitch: 5.2 mm, color: gray

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 4-5 GY - 3038985

https://www.phoenixcontact.com/us/products/3038985



Plug-in bridge, pitch: 5.2 mm, color: gray

Max. current carrying capacity: 24 A

Plug-in bridge

Plug-in bridge - FBS 5-5 GY - 3038998

https://www.phoenixcontact.com/us/products/3038998



Plug-in bridge, pitch: 5.2 mm, color: gray

Max. current carrying capacity: 24 A

Reducing bridge

Reducing bridge - RB ST 10-(2,5/4) - 3030873

https://www.phoenixcontact.com/us/products/3030873

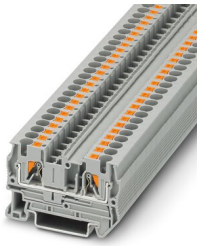


Reducing bridge, pitch: 10 mm, color: red

Feed-through terminal block

Feed-through terminal block - PT 4 - 3211757

https://www.phoenixcontact.com/us/products/3211757



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Push-in connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2 - 6 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - PT 4-TWIN - 3211771

https://www.phoenixcontact.com/us/products/3211771



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Push-in connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2 - 6 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - PT 4-QUATTRO - 3211797

https://www.phoenixcontact.com/us/products/3211797

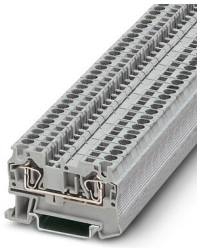


Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Push-in connection, Rated cross section: 4 mm^2, cross section: 0.2 mm^2 - 6 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - ST 4 - 3031364

https://www.phoenixcontact.com/us/products/3031364



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm^2, cross section: 0.08 mm^2 - 6 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - ST 4-TWIN - 3031393

https://www.phoenixcontact.com/us/products/3031393



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Spring-cage connection, Rated cross section: 4 mm^2, cross section: 0.08 mm^2 - 6 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - ST 4-QUATTRO - 3031445

https://www.phoenixcontact.com/us/products/3031445

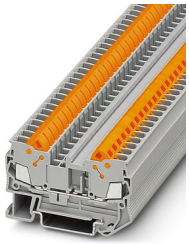


Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm^2, cross section: 0.08 mm^2 - 6 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - QTC 2,5 - 3206416

https://www.phoenixcontact.com/us/products/3206416

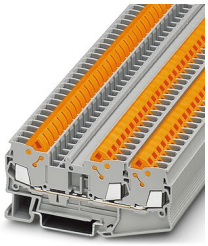


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm^2, cross section: 0.5 mm^2 - 2.5 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - QTC 2,5-TWIN - 3206445

https://www.phoenixcontact.com/us/products/3206445



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm^2, cross section: 0.5 mm^2 - 2.5 mm^2, mounting type: NS 35/7,5, NS 35/7,5, color: gray

Feed-through terminal block

Feed-through terminal block - QTC 2,5-QUATTRO - 3206446

https://www.phoenixcontact.com/us/products/3206446



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm^2, cross section: 0.5 mm^2 - 2.5 mm^2, mounting type: NS 35/7,5, NS 35/7,5, color: gray

Feed-through terminal block

Feed-through terminal block - PT 2,5 - 3209510

https://www.phoenixcontact.com/us/products/3209510

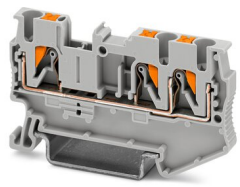


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, Rated cross section: 2.5 mm^2, cross section: 0.14 mm^2 - 4 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - PT 2,5-TWIN - 3209549

https://www.phoenixcontact.com/us/products/3209549

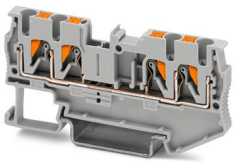


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, Rated cross section: 2.5 mm^2, cross section: 0.14 mm^2 - 4 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - PT 2,5-QUATTRO - 3209578

https://www.phoenixcontact.com/us/products/3209578

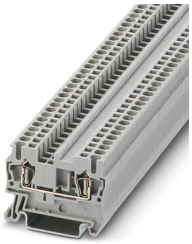


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, Rated cross section: 2.5 mm^2, cross section: 0.14 mm^2 - 4 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - ST 2,5 - 3031212

https://www.phoenixcontact.com/us/products/3031212

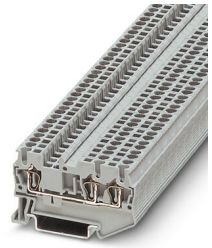


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, Rated cross section: 2.5 mm^2, cross section: 0.08 mm^2 - 4 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - ST 2,5-TWIN - 3031241

https://www.phoenixcontact.com/us/products/3031241

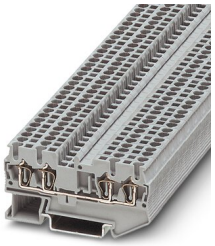


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, Rated cross section: 2.5 mm^2, cross section: 0.08 mm^2 - 4 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - ST 2,5-QUATTRO - 3031306

https://www.phoenixcontact.com/us/products/3031306

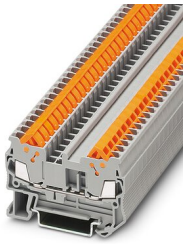


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, Rated cross section: 2.5 mm^2, cross section: 0.08 mm^2 - 4 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - QTC 1,5 - 3205019

https://www.phoenixcontact.com/us/products/3205019

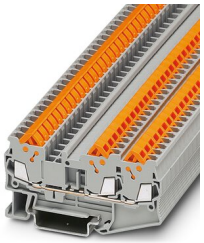


Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.25 mm^2 - 1.5 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - QTC 1,5-TWIN - 3205048

https://www.phoenixcontact.com/us/products/3205048



Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.25 mm^2 - 1.5 mm^2, mounting type: NS 35/7,5, NS 35/7,5, color: gray

Feed-through terminal block

Feed-through terminal block - QTC 1,5-QUATTRO - 3205077

https://www.phoenixcontact.com/us/products/3205077

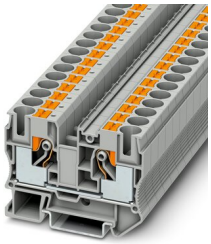


Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.25 mm^2 - 1.5 mm^2, mounting type: NS 35/7,5, NS 35/7,5, color: gray

Feed-through terminal block

Feed-through terminal block - PT 10 - 3212120

https://www.phoenixcontact.com/us/products/3212120



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 57 A, connection method: Push-in connection, Rated cross section: 10 mm^2, cross section: 0.5 mm^2 - 16 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Feed-through terminal block

Feed-through terminal block - ST 10 - 3036110

https://www.phoenixcontact.com/us/products/3036110



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 57 A, connection method: Spring-cage connection, Rated cross section: 10 mm^2, cross section: 0.2 mm^2 - 16 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Zack marker strip

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003

https://www.phoenixcontact.com/us/products/1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Zack Marker strip, flat

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710

https://www.phoenixcontact.com/us/products/0808710



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Marker for terminal blocks

Marker for terminal blocks - UCT-TM 6 - 0828736

https://www.phoenixcontact.com/us/products/0828736



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

Marker for terminal blocks

Marker for terminal blocks - UCT-TM 6 CUS - 0829602

https://www.phoenixcontact.com/us/products/0829602



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

Marker for terminal blocks

Marker for terminal blocks - US-TML (104X3,8) - 0830768

https://www.phoenixcontact.com/us/products/0830768



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 104 x 3.8 mm, Number of individual labels: 22

Type 3 surge protection device

Type 3 surge protection device - TTC-6P-T3-24DC-PT-I - 1027586

https://www.phoenixcontact.com/us/products/1027586



Type 3 surge protection, consisting of protective plug and base element, with integrated status indicator for 24 V DC power supplies

Wire bridge

Wire bridge - DB 50- 90 BK - 2820916

https://www.phoenixcontact.com/us/products/2820916

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm^2, loop length: 90 mm, ferrule length: 8 mm, color: black



Wire bridge

Wire bridge - DB 50- 90 BU - 2821180

https://www.phoenixcontact.com/us/products/2821180

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm^2, loop length: 90 mm, ferrule length: 8 mm, color: blue



Wire bridge

Wire bridge - DB 50- 90 GY - 2820929

https://www.phoenixcontact.com/us/products/2820929

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm^2, loop length: 90 mm, ferrule length: 8 mm, color: gray



Wire bridge

Wire bridge - DB 50- 90 RD - 2864639

https://www.phoenixcontact.com/us/products/2864639

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm^2, loop length: 90 mm, ferrule length: 8 mm, color: red



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