

Electronic circuit breaker - PTCB E1 24DC/1A NO



2909902

<https://www.phoenixcontact.com/us/products/2909902>

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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
- Optimum protection for cables and sensors as well as NEC Class 2 circuits by means of an additional internal output fuse

Commercial Data

Item number	2909902
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C32
Product Key	CLA135
Catalog Page	Page 378 (C-4-2019)
GTIN	4055626408705
Weight per Piece (including packing)	44 g
Weight per Piece (excluding packing)	27.64 g
Customs tariff number	85363010
Country of origin	DE

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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
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General

Operating voltage	18 V DC ... 30 V DC
Rated voltage	24 V DC
Rated current I_N	24 A DC (Total current input)
	1 A DC (Rated current output)
Rated current (pre-adjusted)	1 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)
	< 0.8 W (Nominal operation)
Module initialization time	1 s
Waiting time after switch off of a channel	5 s (at overload / short circuit)

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Measuring tolerance I	± 15 %
Temperature derating	21 A (Total current at 60°C)
	24 A (Total current at 50°C)
	1 A (Channel current at 60°C)
	1 A (Channel current at 50°C)
MTBF (IEC 61709, SN 29500)	28571428 h (at 25 °C with 21 % load)
	14084507 h (at 40°C with 34.25% load)
	2053388 h (at 60°C with 100% load)
Voltage drop	0.06 V (at 2 A)
Fail-safe element	4 A DC
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	15000 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 sleeve	0.2 mm² ... 2.5 mm²

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Main circuit IN+

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm ² ... 2.5 mm ²

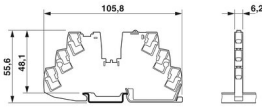
Remote indication circuit

Connection method	Push-in connection
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 14
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm ² ... 2.5 mm ²

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)

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Flammability rating according to UL 94	V-0
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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
	NEC Class 2 according to UL 1310
	UL/C-UL Listed ANSI/UL 121201 Class I, Division 2, Groups A, B, C, D; T4 (Hazardous Location)

Shipbuilding approval

Identification	DNV GL
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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

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Standards/specifications	EN 45545-2
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Mounting

Mounting type	DIN rail: 35 mm
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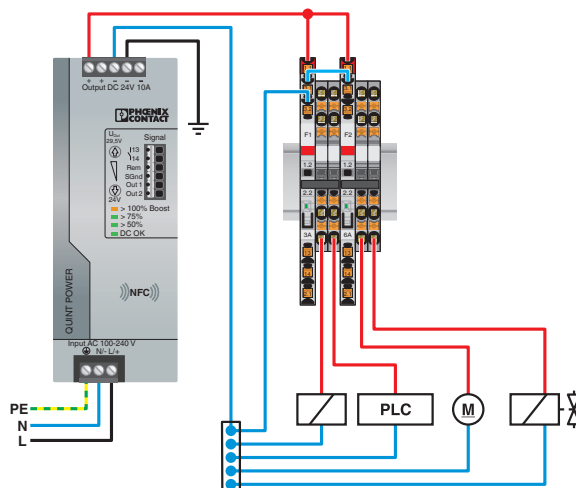
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Drawings

Product drawing



Application drawing



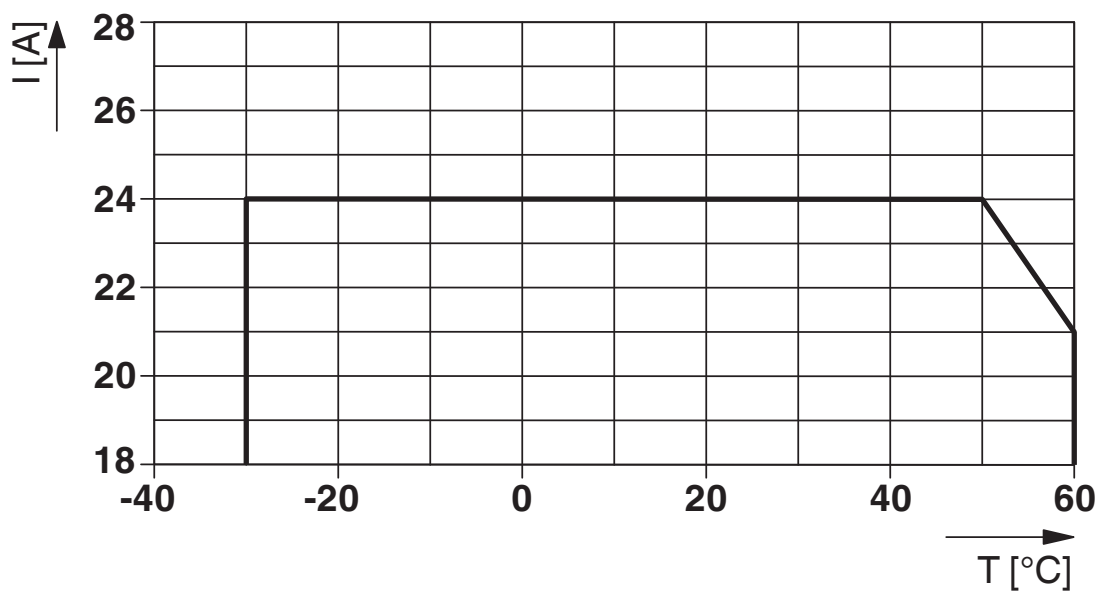
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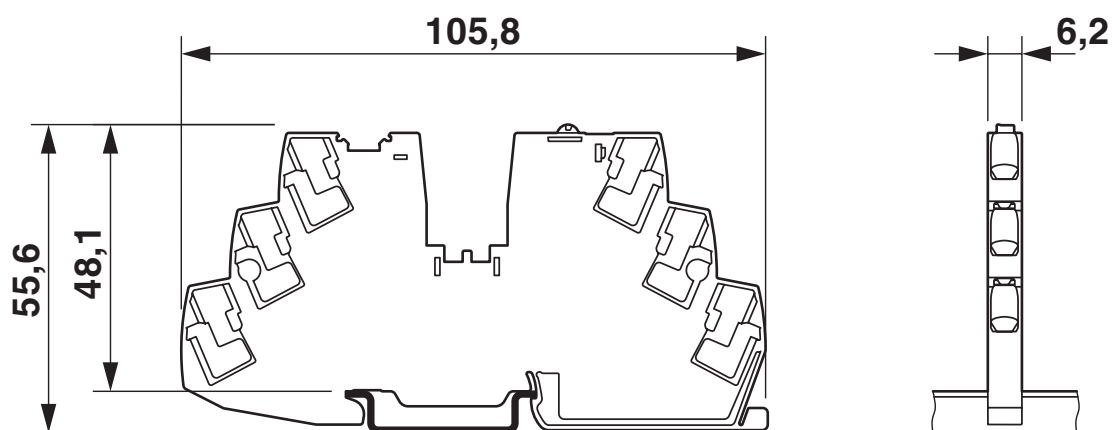
<https://www.phoenixcontact.com/us/products/2909902>

Diagram



Total current input

Dimensional drawing



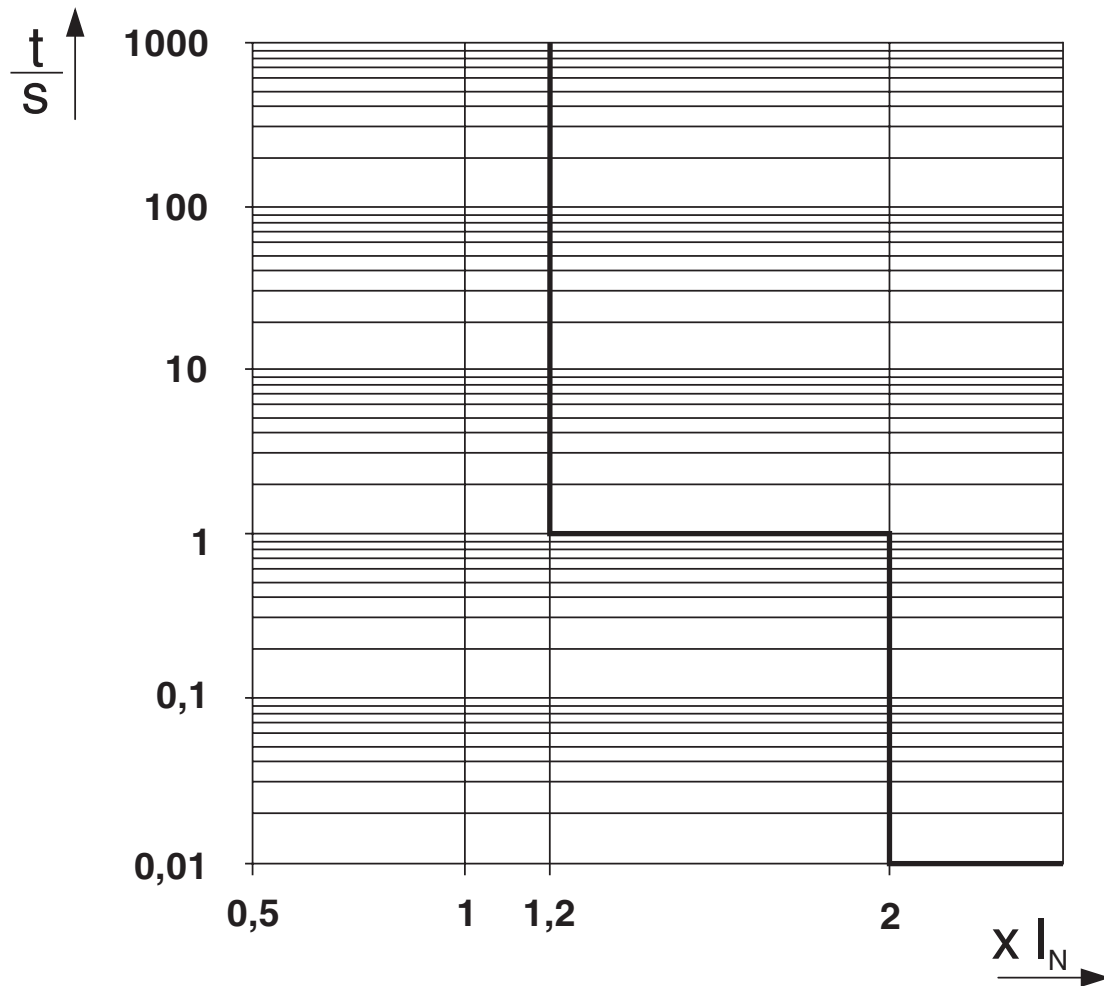
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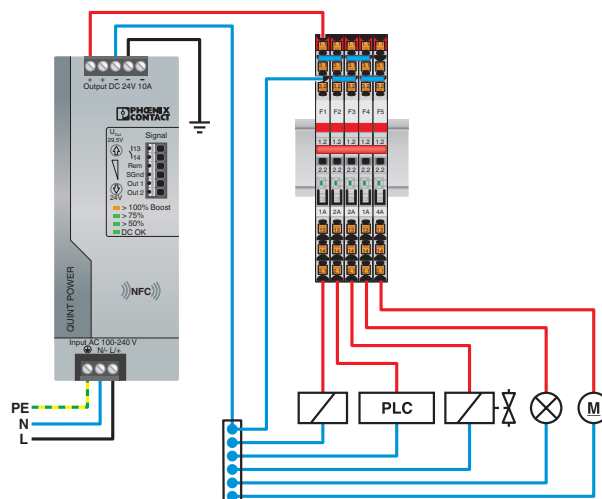


Diagram



Trigger characteristic in the DC range

Application drawing

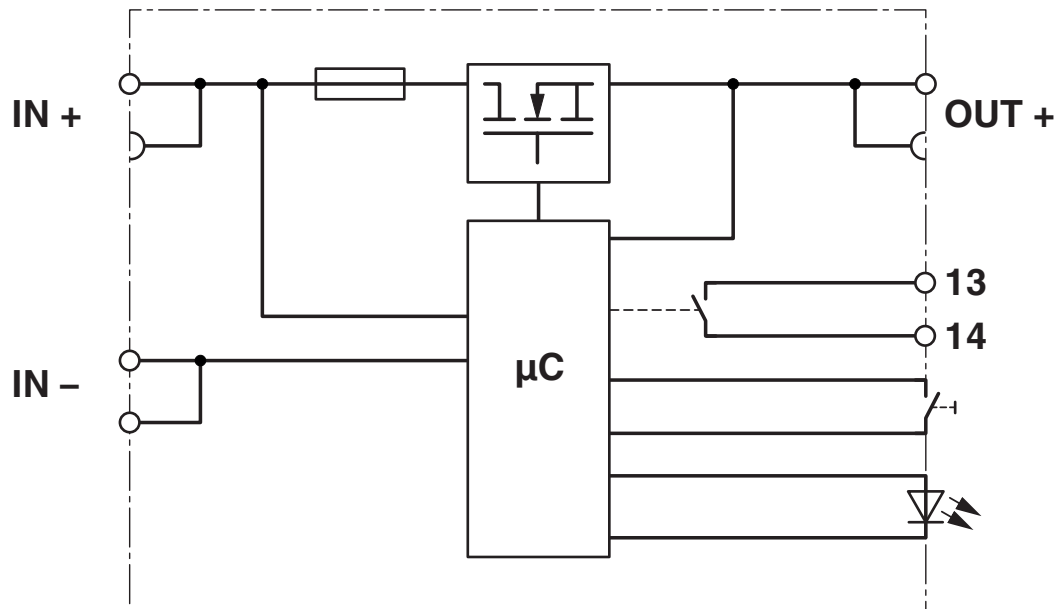


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Block diagram




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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

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC003538
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UNSPSC

UNSPSC 21.0	39121400
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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"


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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

Electronic circuit breaker - PTCB E1 24DC/1A NO



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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

Electronic circuit breaker - PTCB E1 24DC/1A NO



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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

Electronic circuit breaker - PTCB E1 24DC/1A NO



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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

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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

Electronic circuit breaker - PTCB E1 24DC/1A NO



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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

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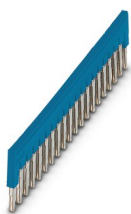
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Plug-in bridge

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

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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

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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

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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

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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

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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

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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

Electronic circuit breaker - PTCB E1 24DC/1A NO



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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

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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

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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

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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

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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

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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 mm², cross section: 0.2 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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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 mm², cross section: 0.2 mm² - 6 mm², 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 mm², cross section: 0.2 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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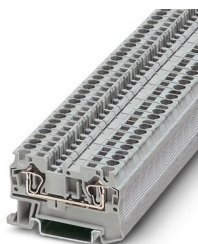
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Feed-through terminal block

Feed-through terminal block - ST 4 - 3031364

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

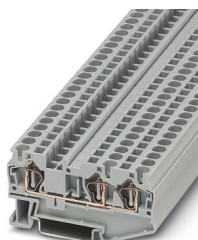


Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm², cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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 mm², cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Electronic circuit breaker - PTCB E1 24DC/1A NO



2909902

<https://www.phoenixcontact.com/us/products/2909902>

Feed-through terminal block

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

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

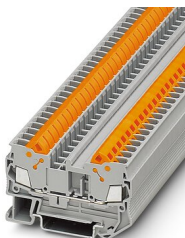


Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm², cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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 mm², cross section: 0.5 mm² - 2.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Electronic circuit breaker - PTCB E1 24DC/1A NO



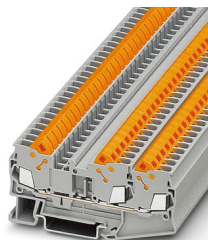
2909902

<https://www.phoenixcontact.com/us/products/2909902>

Feed-through terminal block

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

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

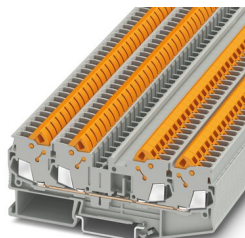


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm², cross section: 0.5 mm² - 2.5 mm², mounting type: NS 35/7,5, NS 35/7,5, color: gray

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 mm², cross section: 0.5 mm² - 2.5 mm², mounting type: NS 35/7,5, NS 35/7,5, color: gray

Electronic circuit breaker - PTCB E1 24DC/1A NO



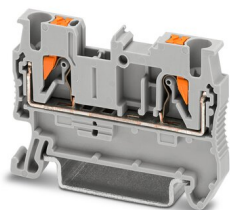
2909902

<https://www.phoenixcontact.com/us/products/2909902>

Feed-through terminal block

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

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

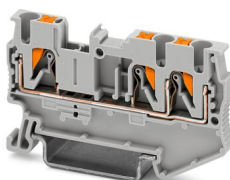


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Electronic circuit breaker - PTCB E1 24DC/1A NO



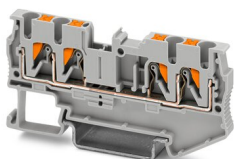
2909902

<https://www.phoenixcontact.com/us/products/2909902>

Feed-through terminal block

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

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

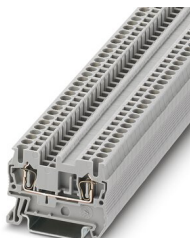


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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, 1 level, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Electronic circuit breaker - PTCB E1 24DC/1A NO



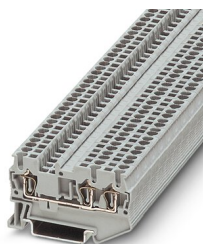
2909902

<https://www.phoenixcontact.com/us/products/2909902>

Feed-through terminal block

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

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

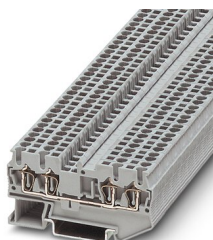


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Electronic circuit breaker - PTCB E1 24DC/1A NO



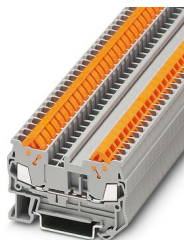
2909902

<https://www.phoenixcontact.com/us/products/2909902>

Feed-through terminal block

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

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

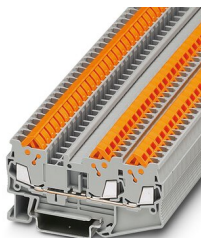


Fast connection terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.25 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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 mm², cross section: 0.25 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/7,5, color: gray

Electronic circuit breaker - PTCB E1 24DC/1A NO



2909902

<https://www.phoenixcontact.com/us/products/2909902>

Feed-through terminal block

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

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

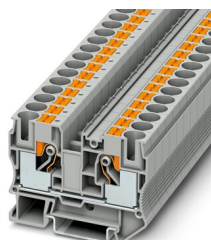


Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.25 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/7,5, color: gray

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 mm², cross section: 0.5 mm² - 16 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Electronic circuit breaker - PTCB E1 24DC/1A NO



2909902

<https://www.phoenixcontact.com/us/products/2909902>

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 mm², cross section: 0.2 mm² - 16 mm², 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

Electronic circuit breaker - PTCB E1 24DC/1A NO



2909902

<https://www.phoenixcontact.com/us/products/2909902>

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

Electronic circuit breaker - PTCB E1 24DC/1A NO



2909902

<https://www.phoenixcontact.com/us/products/2909902>

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

Electronic circuit breaker - PTCB E1 24DC/1A NO



2909902

<https://www.phoenixcontact.com/us/products/2909902>

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



Electronic circuit breaker - PTCB E1 24DC/1A NO



2909902

<https://www.phoenixcontact.com/us/products/2909902>

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



Electronic circuit breaker - PTCB E1 24DC/1A NO



2909902

<https://www.phoenixcontact.com/us/products/2909902>

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 mm², loop length: 90 mm, ferrule length: 8 mm, color: red



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