

0903026

https://www.phoenixcontact.com/gb/products/0903026

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Electronic circuit breaker, signal contact: 1 N/O contact, nominal current: 4 A

Your advantages

- Error-free short-circuit detection even across long cable paths with the electronics characteristic curve
- · Active current limitation to improve the capacity of the upstream power supply
- Increased system transparency with integrated floating remote indication contact (N/O)

Commercial Data

Item number	0903026
Packing unit	6 pc
Minimum order quantity	1 pc
Sales Key	CLA131
Product Key	CLA131
Catalog Page	Page 386 (C-4-2019)
GTIN	4046356328029
Weight per Piece (including packing)	69.017 g
Weight per Piece (excluding packing)	69.017 g
Customs tariff number	85362010
Country of origin	DE



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Technical Data

Notes

General	When mounted in rows without convection cooling, the nominal device current should only be led to a maximum of 80% due to the thermal effect during continuous operation (100% operating factor). Special precautionary measures must be taken in systems or machines, to prevent components from restarting (e.g., use of a safety PLC). Parallel connection of multiple circuit breakers is not permitted.
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Product properties

Туре	DIN rail module, one-piece
Product type	Device circuit breakers
Number of positions	1
No. of channels	1
Insulation characteristics	
Degree of pollution	2

Electrical properties

No. of channels	1
Fuse type	Automatic device
Maximum power dissipation for nominal condition	≤ 0.4 VA
Switching capacity I _{CN}	Active current limitation
Fuse	electronic

General

24 V DC
18 V DC 32 V DC
4 A
0.5 kV
E (electronic)
not required, integrated failsafe element
max. 32 V DC (Load circuit)
Typ. 1.8 x I _N
active
electronic
typ. 25 mA ±5 mA (When switched on)
100 mV (at I _N)
20000 μF
floating signal contact
10 V DC
30 V DC
10 mA



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Max. operating current I _{max}	0.5 A
nection data	
Nominal cross section	16.00 mm²
ne+ / LOAD+ /0V	
Screw thread	M4
Tightening torque	1.2 Nm
Stripping length	10 mm
Conductor cross section solid	0.5 mm² 16 mm²
Cross section AWG	20 6
Conductor cross section flexible	0.5 mm² 16 mm²
Conductor cross section, flexible [AWG]	20 6
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.5 mm² 10 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² 10 mm²
2 conductors with same cross section, solid	0.5 mm² 4 mm²
2 conductors with the same cross-section AWG rigid	20 12
2 conductors with same cross section, flexible	0.5 mm² 4 mm²
2 conductors with the same cross-section AWG flexible	20 12
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 6 mm²
Nominal cross section	16 mm²
ixiliary contact	
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.25 mm² 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 2.5 mm²
ensions	
Width	12.5 mm
Width	12.5 mm
Height	83 mm
Height	83 mm
Height NS 35/15	90.5 mm
Height NS 35/7,5	83 mm
Depth	80 mm
Depth	80 mm
erial specifications	



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Flammability rating according to UL 94	V0	
Environmental and real-life conditions		
Ambient conditions		
Degree of protection	IP20 (Housing)	
Ambient temperature (operation)	0 °C 50 °C (non-condensing)	
Ambient temperature (storage/transport)	-20 °C 70 °C	
Humidity test	96 h, 95 % RH, 40 °C	
Standards and regulations		
Standards/specifications	UL 508	
Standards/specifications	CSA 22.2	
Standards/specifications	UL 2367	
Standards/specifications	CSA 22.2	
Standards/specifications	CSA 22.2	
Standards/specifications	UL 1604	
Mounting		
Mounting type	DIN rail: 35 mm	



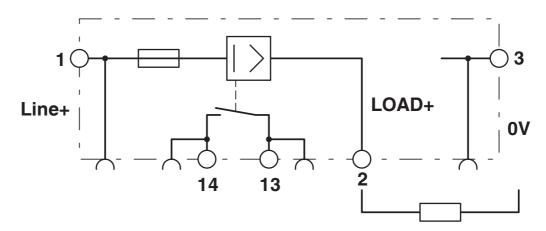
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Drawings

Circuit diagram

EC-E 1 ...





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Approvals



UL Recognized

Approval ID: FILE E 317172



DNV GL

Approval ID: TAE00002HC



UL Listed

Approval ID: FILE E 140324



cUL Listed

Approval ID: FILE E 140324



UL RecognizedApproval ID: FILE E 324415



CSA

Approval ID: 2840117

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
UNSPSC		
	UNSPSC 21.0	39121400



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Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 25;
	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.

Continuous plug-in bridge

Continuous plug-in bridge - FBST 500-PLC BU - 2966692 https://www.phoenixcontact.com/gb/products/2966692



Continuous plug-in bridge, color: blue

Max. current carrying capacity: 1 A

When signal contacts are connected in series Imax = 0.5 A

Continuous plug-in bridge

Continuous plug-in bridge - FBST 500-PLC RD - 2966786 https://www.phoenixcontact.com/gb/products/2966786



Continuous plug-in bridge, color: red

1 Max. current carrying capacity: 1 A

When signal contacts are connected in series Imax = 0.5 A



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Continuous plug-in bridge

Continuous plug-in bridge - FBST 500 TMC-N GY - 0901028 https://www.phoenixcontact.com/gb/products/0901028



Continuous plug-in bridge, mounting type: Plug-in mounting, Color: gray

1 Max. current carrying capacity: 50 A

Current carrying capacity with two supplies I_{max} = 63 A

DIN rail perforated

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733 https://www.phoenixcontact.com/gb/products/0801733



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)



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DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - 0801762 https://www.phoenixcontact.com/gb/products/0801762



DIN rail, unperforated, acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

Screwdriver

Screwdriver - SZS 0,6X3,5 - 1205053

https://www.phoenixcontact.com/gb/products/1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: $0.6 \times 3.5 \times 100$ mm, 2-component grip, with non-slip grip



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DIN rail, unperforated

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714 https://www.phoenixcontact.com/gb/products/1201714



DIN rail, unperforated, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

Marker for terminal blocks

Marker for terminal blocks - UC-TMF 12 - 0819233 https://www.phoenixcontact.com/gb/products/0819233



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 12 mm, lettering field size: 11.45 x 5.1 mm, Number of individual labels: 40



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Zack Marker strip, flat

Zack Marker strip, flat - ZBF 12:UNBEDRUCKT - 0809735 https://www.phoenixcontact.com/gb/products/0809735



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 12 mm, lettering field size: 5.15 x 12.15 mm, Number of individual labels: 5

End clamp

End clamp - CLIPFIX 35-5 - 3022276

https://www.phoenixcontact.com/gb/products/3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5. 15 mm, color: gray



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End clamp

End clamp - E/UK 1 - 1201413

https://www.phoenixcontact.com/gb/products/1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

DIN rail, unperforated

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM-VPE 10 - 1201895 https://www.phoenixcontact.com/gb/products/1201895



DIN rail, unperforated, similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)



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DIN rail, unperforated

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM-VPE 10 - 1201798 https://www.phoenixcontact.com/gb/products/1201798



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver, Pack of 10 (20 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756 https://www.phoenixcontact.com/gb/products/1201756



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver



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DIN rail perforated

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730 https://www.phoenixcontact.com/gb/products/1201730



DIN rail perforated, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

Marker for terminal blocks

Marker for terminal blocks - UCT-TMF 12 - 0829214 https://www.phoenixcontact.com/gb/products/0829214



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: 12 mm, lettering field size: 11.2 x 4.7 mm, Number of individual labels: 30

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