CHARX-PROTECT-11-22KW - Type 2 surge arrester

1380466

https://www.phoenixcontact.com/gb/products/1380466

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The figure shows the item including an M16 cable gland (can be mounted as an option)

CHARX protect retrofit, surge protection set for protecting charging stations with an output of 11 kW ... 22 kW, such as home chargers. Surge protective device consisting of a base element with Push-in connection technology, remote indication contact, and protective plugs, nominal voltage: 230 V AC, 3+1 wiring

Product description

CHARX-PROTECT-11-22KW is a surge protection set optimized for use with charging stations. The cable gland specifically selected for this purpose enables the insertion of commercially available H07RN-F cables of 2.5 mm^2 to 6 mm^2, without restricting the IP protection class.

Your advantages

- Fast installation and startup
- Flexible use with charging stations of 1 kW ... 22 kW
- Flexible selection of cable cross-sections thanks to the variable sealing area
- Time savings during wiring thanks to push-in connection technology
- No additional installation material required thanks to the through-wiring

Commercial data

Item number	1380466
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DTHTMA
Product key	DTHTMA
GTIN	4063151751746
Weight per piece (including packing)	2 kg
Weight per piece (excluding packing)	2 kg
Customs tariff number	85371098
Country of origin	DE

Technical data

Product properties

Product type	Surge arrester
Product family	CHARX protect retrofit
IEC test classification	II
EN type	T2
Surge protection fault message	Optical, remote indicator contact
Number of ports	One

Electrical properties

Nominal frequency f_N	50 Hz (60 Hz)

Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	Changeover contact

Connection data

Connection method	Push-in connection
Stripping length	10 mm ... 12 mm
Conductor cross-section rigid	0.5 mm² ... 10 mm²
Conductor cross-section AWG	20 ... 8
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.5 mm² ... 6 mm²
Conductor cross-section, flexible, with ferrule, without plastic sleeve	0.5 mm² ... 10 mm²

Remote fault indicator contact

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section rigid	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	30 ... 12

Dimensions

Width	130 mm
Height	180 mm
Depth	111 mm

Material specifications

Housing material	PC

Protective circuit

Nominal voltage U_N	240/415 V AC (TN-S)
	240/415 V AC (TT)
Nominal frequency f_N	50 Hz (60 Hz)

Maximum continuous operating voltage U_C (L-N)	275 V AC
Maximum continuous operating voltage U_C (N-PE)	260 V AC
Protective conductor current I_{PE}	≤ 5 µA
Nominal discharge current I_n (8/20) µs	20 kA
Maximum discharge current I_{max} (8/20) µs	40 kA
Follow current interrupt rating I_{fi} (N-PE)	100 A
Short-circuit current rating I_{SCCR}	25 kA
Voltage protection level U_p (L-N)	≤ 1.35 kV
Voltage protection level U_p (N-PE)	≤ 1.5 kV
Max. backup fuse with V-type through wiring	32 A (gG - 6 mm²)
	35 A (gG - 10 mm²)
	40 A (MCB C - 10 mm²)

Environmental and real-life conditions

Ambient conditions

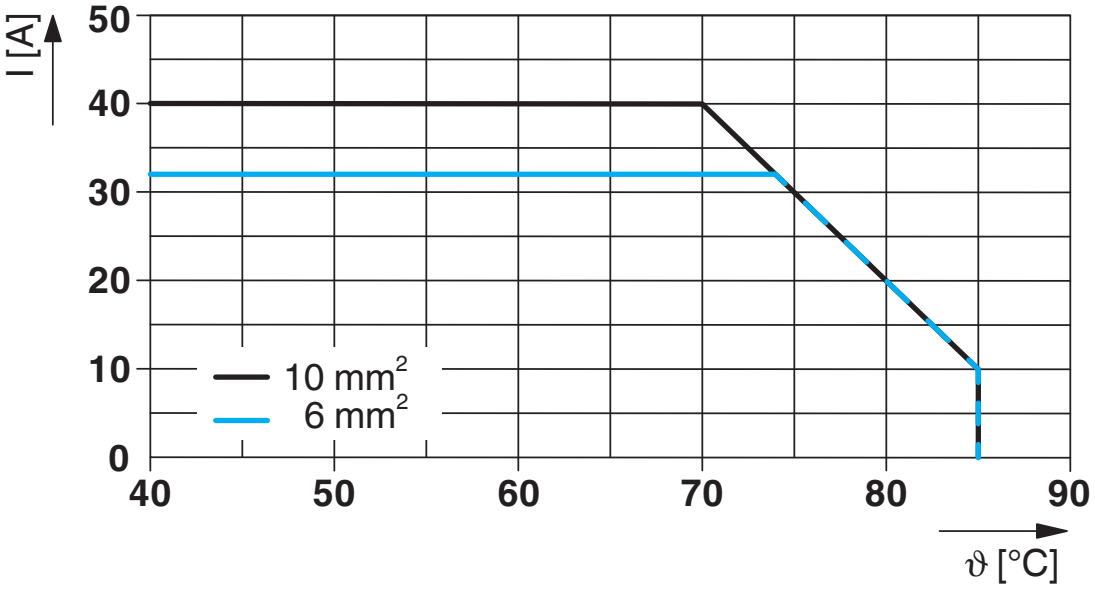
Degree of protection	IP65
Ambient temperature (operation)	-20 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 40 °C
Permissible humidity (operation)	≤ 95 % (at 25 °C, non-condensing)

Standards and regulations

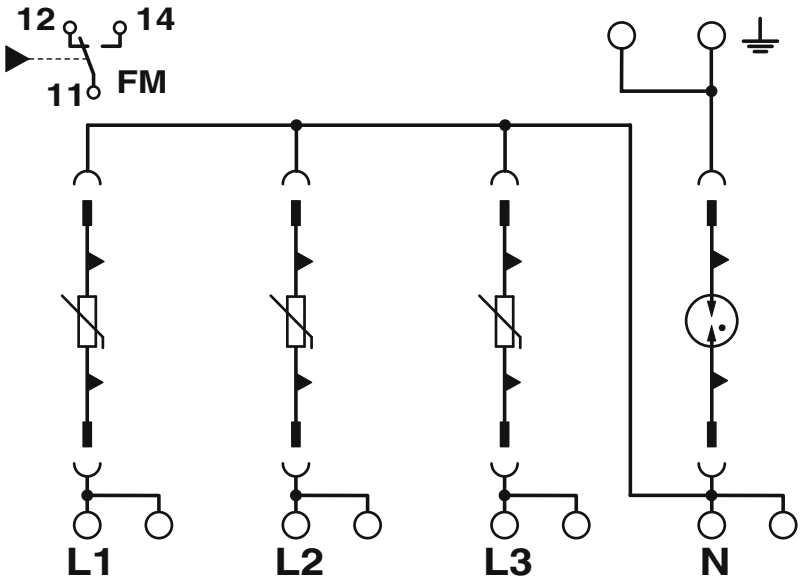
Standards/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2012

Drawings

Diagram



Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27171202
ECLASS-15.0	27171202

ETIM

ETIM 10.0	EC000941

UNSPSC

UNSPSC 21.0	39121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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