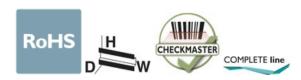


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



Plug-in surge arrester, in accordance with Type 2/Class II, for 3-phase power supply networks with separate N and PE (5-conductor system: L1, L2, L3, N, PE), with remote indication contact.



Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 784809
GTIN	4055626784809
Weight per Piece (excluding packing)	420.000 g
Custom tariff number	85363030
Country of origin	Germany

Technical data

Dimensions

Height	97.9 mm
Width	49.2 mm
Depth	74.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	2.7 Div.

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C 80 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % 95 %



Technical data

Ambient conditions

Shock (operation)	30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 500 Hz / 2.5 h / X, Y, Z)

General

IEC test classification	II.
	T2
EN type	T2
IEC power supply system	TN-S
	IT
Mode of protection	L-N
	L-PE
	N-PE
Mounting type	DIN rail: 35 mm
Color	light grey RAL 7035
	traffic grey A RAL 7042
Housing material	PA 6.6-FR 20 % GF
	PBT-FR
Degree of pollution	2
Flammability rating according to UL 94	V-0
Туре	DIN rail module, two-section, divisible
Number of positions	3
Surge protection fault message	Optical, remote indicator contact

Additional descriptions

Note	Usable in all low-voltage systems between L-N or L-PEN. Only usable in IT Systems between L-PE and N-PE, if the exposed-conductive-parts (bodies) of the equipment of the low-voltage installation is connected to the earthing arrangement of the transformer substation. (interconnected earthing arrangement of the HV-transformer substation with the bodies of the LV-installation. RE = RA accordance to IEC 60364-4-442 / VDE 0100-442 Fig. 44D / Example a)
------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Protective circuit

Nominal voltage U _N	400/690 V AC (TN-S)
	400 V AC (IT)
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous voltage U _C	440 V AC
Rated load current I _L	40 A (Biconnect M4 fork-type cable lug 6 mm²)
	63 A (TWIN ferrule 2 x 10 mm²)
Standby power consumption P _C	≤ 720 mVA
Nominal discharge current I _n (8/20) µs	20 kA



Technical data

Protective circuit

Maximum discharge current I _{max} (8/20) μs	40 kA
Short-circuit current rating I _{SCCR}	25 kA (for a backup fuse of up to 315 A gG)
	50 kA (for a backup fuse of up to 200 A gG)
Voltage protection level U _ρ (L-N)	≤ 4 kV
Voltage protection level U _p (L-PE)	≤ 1.9 kV
Voltage protection level U _p (N-PE)	≤ 1.9 kV
Residual voltage U _{res} (L-N)	\leq 4 kV (at I _n)
	≤ 3.5 kV (at 10 kA)
	≤ 3.2 kV (at 5 kA)
	≤ 3.1 kV (at 4 kA)
	≤ 2.85 kV (at 2 kA)
Residual voltage U _{res} (L-PE)	≤ 1.9 kV (at I _n)
	≤ 1.65 kV (at 10 kA)
	≤ 1.5 kV (at 5 kA)
	≤ 1.45 kV (at 4 kA)
	≤ 1.35 kV (at 2 kA)
Residual voltage U _{res} (N-PE)	\leq 1.9 kV (at I _n)
	≤ 1.65 kV (at 10 kA)
	≤ 1.5 kV (at 5 kA)
	≤ 1.45 kV (at 4 kA)
	≤ 1.35 kV (at 2 kA)
TOV behavior at U _T	581 V AC (5 s / withstand mode)
	762 V AC (120 min / safe failure mode)
Response time t _A	≤ 25 ns
Max. backup fuse with V-type through wiring	40 A (gG / Biconnect M4 fork-type cable lug, 6 mm²)
	63 A (gG / TWIN ferrule 2x 10mm²)
Max. backup fuse with branch wiring	315 A (gG)

Indicator/remote signaling

	, , , , , , , , , , , , , , , , , , ,
Switching function	Changeover contact
Operating voltage	5 V AC 250 V AC
	125 V DC (200 mA DC)
Operating current	5 mA AC 1 A AC
	1 A DC (30 V DC)
Connection method	Plug-in/screw connection via COMBICON
Screw thread	M2
Tightening torque	0.25 Nm



Technical data

Indicator/remote signaling

Stripping length	7 mm
Conductor cross section flexible	0.14 mm² 1.5 mm²
Conductor cross section solid	0.14 mm² 1.5 mm²
Conductor cross section AWG	28 16

Connection data

Connection method	Screw connection
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	16 mm
Conductor cross section flexible	2.5 mm ² 16 mm ²
Conductor cross section solid	2.5 mm² 25 mm²
Conductor cross section AWG	12 4
Connection method	Fork-type cable lug
Conductor cross section flexible	1.5 mm² 6 mm²

Standards and Regulations

Standards/regulations	IEC 61643-11 2011
	EN 61643-11 2012

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
------------	----------------

Phoenix Contact 2021 © - all rights reserved http://www.phoenixcontact.com