

2905036

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Lightning and surge arrester combination, in accordance with Type 1+2/Class I+II, for 3-phase power supply networks, with separate N and PE (L1, L2, L3, PE, N). Consisting of 3x FLT 35 CTRL-4.0 and 3x VAL-MS 400/FM and 1x FLT 100N/PE-1.5, incl. bridges and marking.

Commercial data

Item number	2905036
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CL1221
GTIN	4046356913966
Weight per piece (including packing)	1,293.3 g
Weight per piece (excluding packing)	1,112.6 g
Country of origin	IN



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Set consists of

FLT 100 N/PE CTRL-3.0 - Type 1+2 combined lightning current and surge arrester

2905834

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Lightning current arrester with encapsulated N-PE spark gap and ignition electronics, 1-channel. Voltage protection level: 3 kV. Housing width: 35 mm (2 pitches)

FLT 35 CTRL-4.0 - Type 1+2 combined lightning current and surge arrester

2801635

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Type 1/Class I/B arrester (lightning current arrester) with encapsulated arc chopping spark gap and ignition electronics, single-channel. Voltage protection level: 4 kV. Housing width: 17.5 mm (1 HP)



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VAL-MS BE/FM - Type 2 surge protection base element

2817738

https://www.phoenixcontact.com/us/products/2817738

Base element for type 2 arresters of the VALVETRAB MS series of products, with remote indication contact. Design: 1-channel



VAL-MS 400 ST - Type 2 surge protection plug

2816399 https://www.phoenixcontact.com/us/products/2816399



Surge protection connector type 2 with high-capacity varistor for VAL-MS base element, thermal monitoring, visual fault warning. Design: 400 V AC



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MPB 18/1-8 BU - Wiring bridge

2858470

https://www.phoenixcontact.com/us/products/2858470



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 8-pos., color: Blue

MPB 18/3-6 - Wiring bridge

2809241 https://www.phoenixcontact.com/us/products/2809241



Wiring bridge for modules with connecting pitch 17.5 mm, 3-phase, 6-pos.



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Technical data

Product properties

IEC test classification	I + II
	T1 + T2
EN type	T1 + T2
IEC power supply system	TN
	Π
Туре	DIN rail module, two-section, divisible
Product type	Arrester combination
Number of positions	4
Surge protection fault message	Optical (Type 2 arrester), remote indication contact (Type 2 arrester)

Connection data

FLT 35 CTRL-4.0	
Connection method	Screw connection
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	14.5 mm

VAL-MS BE/FM

Connection method	Screw connection
Screw thread	M5
Tightening torque	3 Nm (1.5 mm ² 16 mm ²)
	4.5 Nm (25 mm ² 35 mm ²)
Stripping length	16 mm

FLT 100 N/PE CTRL-3.0

Connection method	Screw connection
Screw thread	M6
Tightening torque	8 Nm
Stripping length	19 mm
Conductor cross section flexible	1.5 mm ² 25 mm ²
Conductor cross section rigid	1.5 mm ² 35 mm ²
Conductor cross section AWG	15 2

Material specifications

Color black (RAL 9005)

Mechanical properties

Mechanical data



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	Open side panel	No	
Pro	Protective circuit		
	Direction of action	3L-N & N-PE	
	Nominal voltage U _N	230/400 V AC (TN)	
		230/400 V AC (TT)	
	Nominal discharge current I _n (8/20) µs (L-N)	20 kA	
	Nominal discharge current I _n (8/20) µs (N-PE)	100 kA	
	Impulse discharge current (10/350) μs (L-N), peak current value I _{imp}	35 kA	
	Impulse discharge current (10/350) μs (N-PE), peak current value l _{imp}	100 kA	

Environmental and real-life conditions

Ambient conditions		
Degree of protection	IP20 (only when all terminal points are used)	
Ambient temperature (operation)	-40 °C 80 °C	
Permissible humidity (operation)	5 % 95 %	

Standards and regulations

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

Mounting

Mounting type	DIN rail: 35 mm
mounting type	



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Classifications

ECLASS

	ECLASS-11.0	27130805
	ECLASS-13.0	27171204
ΕT	IM	
ET	IM ETIM 9.0	EC001457

UNSPSC

UNSPSC 21.0

39121600



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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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