Power Line SPDs

EGA 2 275/3+1

33707400



Surge Protection Device Type 2, Imax 50 kA, Uc 275 Vac, 3+1 for 230/400V TT, TNS systems, pluggable

GENERAL DATA

Internal configuration	3+1
No. Poles	4-Pole
No. DIN rail modules	4
Network configuration	TT, TNS
IEC SPD Type	Class II
EN SPD Type	Type 2
UL SPD Type	Type 1 Component Assembly
Format	Pluggable
Protection Modes	L-N / N-PE
Product standards	EN IEC 61643-11 UL 1449 5th Edition

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

Maximum continuous operating voltage (AC) - Uc (L-N) [V]	275
Maximum continuous operating voltage (AC) - Uc (N-PE) [V]	255
Nominal voltage AC 50-60 Hz - Un [V]	230/400
Nominal discharge current (8/20)- In [kA]	20
Max Discharge Current (8/20) - Imax [kA]	50
Max Discharge Current (8/20) - Imax (L-N) [kA]	50
Max Discharge Current (8/20) - Imax (N-PE) [kA]	50
Voltage protection level at In - Up (L-N) [kV]	≤1,5
Voltage protection level at In - Up (L-PE) [kV]	≤1,8
Voltage protection level at In - Up (N-PE) [kV]	≤1,5
Maximum back-up fuse [A [gG]]	315
Short circuit withstand- Isccr [kA]	25
Following current - Ifi [A]	100
Residual current- Ipe [µA]	<10
Response time - tA (L-N) [ns]	≤25
Response time - tA (N-PE) [ns]	≤100
TOV 5s (LV systems, withstand)- Ut(L-N) [V]	337
TOV 120min (LV systems, fail safe)- Ut(L-N) [V]	442.5
TOV 200 ms (HV Systems, withstand) - Ut (N-PE) [V]	1200
Dynamic thermal disconnection	Yes
Thermal protection behaviour	OCM (Open Circuit Mode)
No. of ports	1

ADDITIONAL TESTING – TECHNICAL FEATURES

Typical surge current (withstanding 200 impulses) - Ityp [kA]	5

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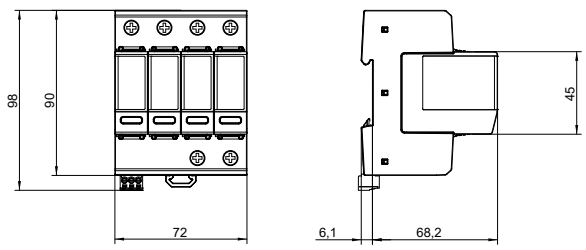
SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

Nominal discharge current (8/20) - In [kA]	20
Maximum continuous operating voltage - MCOV (L-L) [V]	550
Maximum continuous operating voltage - MCOV (L-N) [V]	275
Maximum continuous operating voltage - MCOV (L-G) [V]	275
Maximum continuous operating voltage - MCOV (N-G) [V]	305
Voltage protection rating - VPR (L-L) [V]	1800
Voltage protection rating - VPR (L-N) [V]	1000
Voltage protection rating - VPR (L-G) [V]	1500
Voltage protection rating - VPR (N-G) [V]	900
Short-Circuit Current Rating-SCCR [kA]	85

MECHANICAL AND ENVIRONMENTAL FEATURES

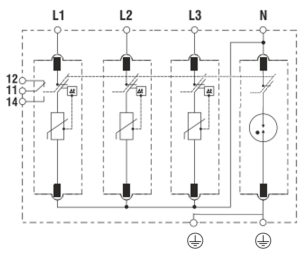
Temperature range [ºC]	-40 ... 85
Humidity range [%]	5 ... 95
Max. Altitude [m]	4000
Indication System Type	Green (OK) / Not green (replace)
Insulating material	PA6 CT1 & PA66 CT1
Housing color	Grey RAL 7035
Enclosure - IP	IP20
Flammability class	UL94 V-0
Solid conductor cross section	1,5…35mm²
Stranded conductor cross section	1,5…25mm²
Torque rating [N m]	3
Remote indication conductor cross section [mm²]	0.5 ... 1.5
Remote indication switching capacity [V/A]	AC: 250/0.5 DC: 30/1

DIMENSIONS AND WEIGHT



Net Weight [kg]	0.429
Gross weight [kg]	0.474
Packaging dimensions (H x W x L) [mm]	97 × 78 × 118

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

	Code	Description
Line (L-N)	33707001	EGARA 2 275
Neutral (N-PE)	33707000	EGARA 2 N

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