

EGARA 1 4+0

Power Line SPDs

DIN RAIL - IEC TYPE 1+2



General Data

Internal configuration	4+0
No. Poles	4-Pole
No. DIN rail modules	4
Network configuration	TNS
IEC SPD Type	Class I+II
EN SPD Type	Type 1+2
UL SPD Type	Type 1 Component Assembly
Format	Pluggable
Protection Modes	L-PE / N-PE
Product standards	IEC/EN 61643-11; UL 1449 5th Edition



PART NUMBERS

XXX	275	320
EGA 1 XXX/4+0	33738404	33738412
EGA 1 XXX/4+0 IR (with Remote Indication)	33738405	33738413

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

EGA 1 XXX/4+0, EGA 1 XXX/4+0 IR (with Remote Indication)	275	320
Maximum continuous operating voltage (AC) - Uc [V]	275	320
Nominal voltage AC 50-60 Hz - Un [V]	230/400	277/480
Nominal discharge current (8/20)- In [kA]		20
Max Discharge Current (8/20) - I _{max} [kA]		50
Lightning impulse current (10/350) - I _{imp} [kA]		12.5
Voltage protection level at In - Up [kV]		≤1,5
Maximum back-up fuse [A [gG]]		315
Short circuit withstand- I _{sc} [kA]		25
Residual current- I _{pe} [mA]		<1
Response time - t _A [ns]		≤25
Specific energy by pole (10/350 μs) - W/R (L-N) [kJ/ohm]		39
Specific energy by pole (10/350 μs) - W/R (N-PE) [kJ/ohm]		39
TOV 5s (LV systems, withstand) - Ut [V]	337	403
TOV 120min (LV systems, fail safe)- Ut [V]	442.5	528
Dynamic thermal disconnection		Yes
Thermal protection behaviour		OCM (Open Circuit Mode)
No. of ports		1

ADDITIONAL TESTING - TECHNICAL FEATURES

EGA 1 XXX/3+1, EGA 1 XXX/3+1 IR (with Remote Indication)	275	320
Max Discharge Current (8/20) - I _{max} (L-N)		65 kA

DATASHEET

This document is subject to change at any time without notice www.cirprotec.com | Lepanto 49 · 08223 Terrassa, Barcelona Spain © 2024 Cirprotec SLU | All rights reserved

cirprotec

EGARA 1 4+0

Power Line SPDs

DIN RAIL - IEC TYPE 1+2

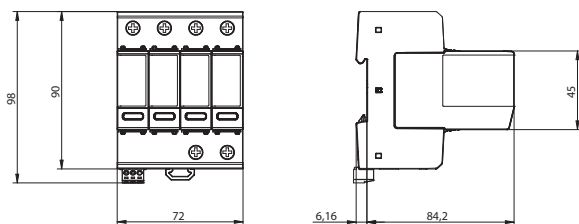
SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

EGA 1 XXX /4+0, EGA 1 XXX /4+0 IR (with Remote Indication)	275	320
Nominal discharge current (8/20) - In [kA]		20
Maximum continuous operating voltage - MCOV (L-L) [V]	550	640
Maximum continuous operating voltage - MCOV (L-N) [V]	550	640
Maximum continuous operating voltage - MCOV (L-G) [V]	275	320
Maximum continuous operating voltage - MCOV (N-G) [V]	275	320
Voltage protection rating - VPR (L-L) [V]		2000
Voltage protection rating - VPR (L-N) [V]		2000
Voltage protection rating - VPR (L-G) [V]		1200
Voltage protection rating - VPR (N-G) [V]		1200
Short-Circuit Current Rating-SCCR [kA]		42

MECHANICAL AND ENVIRONMENTAL FEATURES

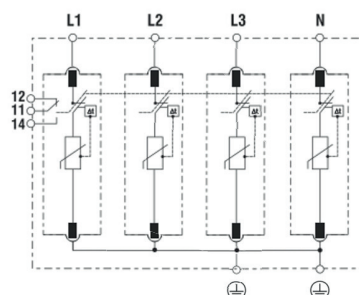
EGA 1 XXX /4+0, EGA 1 XXX /4+0 IR (with Remote Indication)	275	320
Temperature range [°C]		-40 ... 85
Humidity range [%]		5 ... 95
Max. Altitude [m]		4000
Indication System Type		Green (OK) / Not green (replace)
Insulating material		PA6 CT1 & PA66 CT1
Housing color		Grey RAL 7035
Enclosure - IP		IP20
Flammability class		UL94 V-0
Solid conductor cross section		1,5...35mm ²
Stranded conductor cross section		1,5...25mm ²
Torque rating [N m]		3
Remote indication conductor cross section [mm ²]		0.5 ... 1.5
Remote indication switching capacity [V/A]		AC: 250/0.5 DC: 30/1

DIMENSIONS AND WEIGHT



EGA 1 XXX /4+0 EGA 1 XXX /4+0 IR (with Remote Indication)	275	320
Net Weight [kg]	0.648	0.66
Gross weight [kg]	0.695	0.691
Packaging dimensions (H x W x L) [mm]	97 × 78 × 118	

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

EGA 1 XXX /4+0 EGA 1 XXX /4+0 IR (with Remote Indication)	275	320
EGARA 1 XXX (Line)	33738001	33738003

DATASHEET

This document is subject to change at any time without notice www.cirprotec.com | Lepanto 49 · 08223 Terrassa, Barcelona Spain © 2024 Cirprotec SLU | All rights reserved

cirprotec