

# EGARA 1 3+0

Power Line SPDs

DIN RAIL - IEC TYPE 1+2



## General Data

Internal configuration	3+0
No. Poles	3-Pole
No. DIN rail modules	3
Network configuration	TNC
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)
Product standards	IEC/EN 61643-11; UL 1449 5th Edition
Certifications	CE, Rohs, UKCA, KEMA-KEUR; ENEC; UL 1449 5th Edition
AC or DC	AC



## PART NUMBERS

XXX	275	320
EGA 1 XXX/3+0	33738300	33738304
EGA 1 XXX/3+0 IR (with Remote Indication)	33738301	33738305

## SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

EGA 1 XXX/3+0, EGA 1 XXX/3+0 IR (with Remote Indication)	275	320
Maximum back-up fuse [A [gG]]		315
Maximum continuous operating voltage (AC) - U <sub>c</sub> [V]	275	320
Nominal voltage AC 50-60 Hz - U <sub>n</sub> [V]	230/400	277/480
Nominal voltage AC 50-60 Hz - U <sub>n</sub> (L-L) [V]	400	480
Nominal voltage AC 50-60 Hz - U <sub>n</sub> (L-N) [V]	230	277
Nominal discharge current (8/20)- I <sub>n</sub> [kA]		20
Max Discharge Current (8/20) - I <sub>max</sub> [kA]		50
Lightning impulse current (10/350) - I <sub>imp</sub> [kA]		12.5
Voltage protection level at I <sub>n</sub> - U <sub>p</sub> [kV]		≤1,5
Short circuit withstand- I <sub>sc</sub> [kA]		25
Residual current- I <sub>GND</sub> [mA]		<1
Response time - t <sub>A</sub> [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) - U <sub>t</sub> [V]	337	403
TOV 120min (LV systems, fail safe)- U <sub>t</sub> [V]	442.5	528
Dynamic thermal disconnection		Yes
Thermal protection behaviour		OCM (Open Circuit Mode)
No. of ports		1

## DATASHEET

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# EGARA 1 3+0

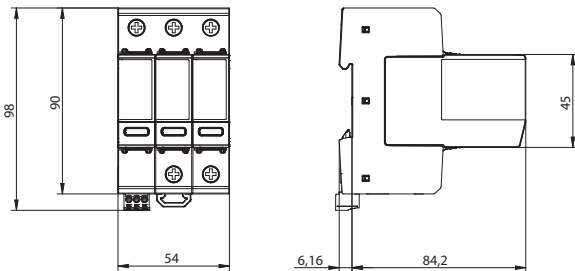
## SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

EGA 1 <b>XXX</b> /3+0, EGA 1 <b>XXX</b> /3+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-G) [V]	275	320
Voltage protection rating - VPR (L-L) [V]	2000	
Voltage protection rating - VPR (L-G) [V]	1200	
Short-Circuit Current Rating-SCCR [kA]	42	

## MECHANICAL AND ENVIRONMENTAL FEATURES

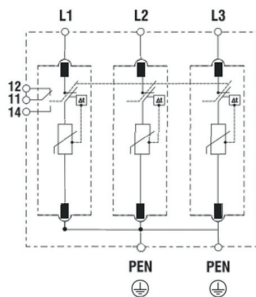
EGA 1 <b>XXX</b> /3+0, EGA 1 <b>XXX</b> /3+0 IR (with Remote Indication)	275	320
Temperature range [°C]	-40 ... 85	
Humidity range [%]	5 ... 95	
Max. Altitude [m]	4000	
Indication System Type	Green (OK) / Not Green (replace)	
Insulating material	PA6 CT1 & PA66 CT1	
Housing color	Grey RAL 7035	
Enclosure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

## DIMENSIONS AND WEIGHT



EGA 1 <b>XXX</b> /3+0 EGA 1 <b>XXX</b> /3+0 IR (with Remote Indication)	275	320
Net Weight [kg]	0.435	
Gross weight [kg]	0.465	
Packaging dimensions (H x W x L) [mm]	97 × 59 × 118	

## INTERNAL CONFIGURATION



## REPLACEMENT CARTRIDGES

EGA 1 <b>XXX</b> /3+0 EGA 1 <b>XXX</b> /3+0 IR (with Remote Indication)	275	320
EGARA 1 XXX (Line)	33738001	33738003