

# EGARA 1 0+1

Power Line SPDs

DIN RAIL - IEC TYPE 1+2



## General Data

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



## PART NUMBERS

EGA 1 N/0+1

33738100

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

Maximum continuous operating voltage (AC) - $U_c$ [V]	255
Nominal voltage AC 50-60 Hz - $U_n$ [V]	Neutral
Nominal discharge current (8/20) - $I_n$ [kA]	50
Max Discharge Current (8/20) - $I_{max}$ [kA]	100
Lightning impulse current (10/350) - $I_{imp}$ [kA]	50
Voltage protection level at $I_n$ - $U_p$ [kV]	$\leq 1,5$
Maximum back-up fuse [A [gG]]	315
Short circuit withstand- $I_{scrr}$ [kA]	25
Following current - $I_{fi}$ [A]	100
Residual current- $I_{pe}$ [ $\mu$ A]	$< 10$
Response time - $t_A$ [ns]	$\leq 100$
Specific energy by pole (10/350 $\mu$ s) - W/R (L-N) [kJ/ohm]	39
Specific energy by pole (10/350 $\mu$ s) - W/R (N-PE) [kJ/ohm]	625
TOV 200ms (HV systems, withstand) - $U_t$ [V]	1200
Thermal protection behaviour	OCM (Open Circuit Mode)
No. of ports	1

## ADDITIONAL TESTING - TECHNICAL FEATURES

Max Discharge Current (8/20) - $I_{max}$ (L-N)	65 kA
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## SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

Nominal discharge current (8/20) - $I_n$ [kA]	20
Maximum continuous operating voltage - MCOV (L-N) [V]	305
Maximum continuous operating voltage - MCOV (L-G) [V]	305
Voltage protection rating - VPR (L-N) [V]	1000
Voltage protection rating - VPR (L-G) [V]	1000

## DATASHEET

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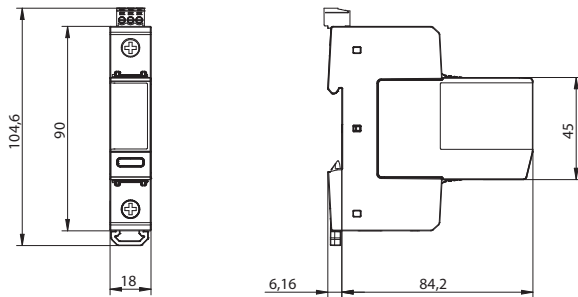
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## MECHANICAL AND ENVIRONMENTAL FEATURES

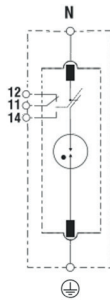
Temperature range [°C]	-40 ... 85
Humidity range [%]	5 ... 95
Max. Altitude [m]	4000
Indication System Type	Green (OK) / Not green (replace)
Insulating material	PA6 CT1 & PA66 CT1
Housing color	Grey RAL 7035
Enclosure - IP	IP20
Flammability class	UL94 V-0
Solid conductor cross section	1,5...35mm <sup>2</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



Net Weight [kg]	0.14
Gross weight [kg]	0.162
Packaging dimensions (H x W x L) [mm]	97 × 22 × 118

## INTERNAL CONFIGURATION



## REPLACEMENT CARTRIDGES

EGARA1N(Neutral)	33738000
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