

EGARA 2 3+0

Power Line SPDs
DIN RAIL - IEC TYPE 2



General Data

Internal configuration	3+0
No. Poles	3-Pole
No. DIN rail modules	3
Network configuration	TNC
IEC SPD Type	Class II
EN SPD Type	Type 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



PART NUMBERS

XXX	275	320	440
EGA 2 XXX/3+0	33707300	33707304	33707308
EGA 2 XXX/3+0 IR (with Remote Indication)	33707301	33707305	33707309

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

EGA 2 XXX/3+0, EGA 2 XXX/3+0 IR (with Remote Indication)	275	320	440
Maximum continuous operating voltage (AC) - U _c [V]	275	320	440
Nominal voltage AC 50-60 Hz - U _n [V]	230/400	277/480	400/690
Nominal discharge current (8/20)- I _n [kA]		20	
Max Discharge Current (8/20) - I _{max} [kA]		50	
Voltage protection level at I _n - U _p [kV]		≤1,5	≤2
Maximum back-up fuse [A [gG]]		315	
Short circuit withstand- I _{scrr} [kA]		25	
Residual current- I _{pe} [mA]		<1	
Response time - t _A [ns]		≤25	
TOV 5s (LV systems, withstand) - U _t [V]	337	403	581
TOV 120min (LV systems, fail safe)- U _t [V]	442.5	528	763
Dynamic thermal disconnection		Yes	
Thermal protection behaviour		OCM (Open Circuit Mode)	
No. of ports		1	

SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

EGA 2 XXX/3+0, EGA 2 XXX/3+0 IR (with Remote Indication)	275	320	440
Nominal discharge current (8/20) - I _n [kA]		20	
Maximum continuous operating voltage - MCOV (L-L) [V]	550	640	880
Maximum continuous operating voltage - MCOV (L-G) [V]	275	320	440
Voltage protection rating - VPR (L-L) [V]	1800	2000	2500
Voltage protection rating - VPR (L-G) [V]	1000	1200	1500
Short-Circuit Current Rating-SCCR [kA]	85	100	42

DATASHEET

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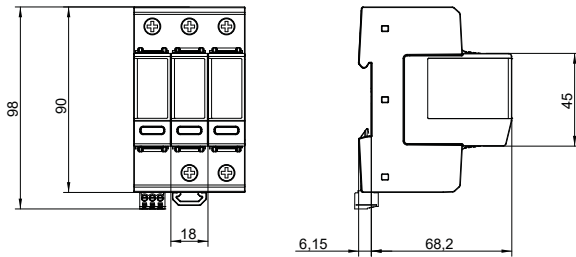
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MECHANICAL AND ENVIRONMENTAL FEATURES

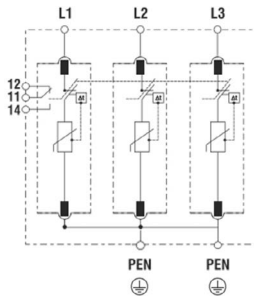
EGA 2 XXX /3+0, EGA 2 XXX /3+0 IR (with Remote Indication)	275	320	440
Temperature range [°C]		-40 ... 85	
Humidity range [%]		5 ... 95	
Max. Altitude [m]		4000	
Indication System Type		Green (OK) / Not green (replace)	
Insulating material		PA6 CT1 & PA66 CT1	
Housing color		Grey RAL 7035	
Enclosure - 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 2 XXX /3+0 EGA 2 XXX /3+0 IR (with Remote Indication)	275	320	440
Net Weight [kg]	0.36	0.348	0.406
Gross weight [kg]	0.397	0.369	0.445
Packaging dimensions (H x W x L) [mm]	97 × 59 × 118		

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

EGA 2 XXX /3+0 EGA 2 XXX /3+0 IR (with Remote Indication)	275	320	440
EGARA 2 XXX (Line)	33707001	33707003	33707005

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