

EGARA 2 3+1

Power Line SPDs
DIN RAIL - IEC TYPE 2



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	IEC/EN 61643-11; UL 1449 5th Edition



PART NUMBERS

XXX	275	320	440
EGA 2 XXX/3+1	33707400	33707408	33707416
EGA 2 XXX/3+1 IR (with Remote Indication)	33707401	33707409	33707417

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

EGA 2 XXX/3+1, EGA 2 XXX/3+1 IR (with Remote Indication)	275	320	440
Maximum continuous operating voltage (AC) - Uc (L-N) [V]	275	320	440
Maximum continuous operating voltage (AC) - Uc (N-PE) [V]	255		440
Nominal voltage AC 50-60 Hz - Un [V]	230/400	277/480	400/690
Nominal discharge current (8/20)- In [kA]			20
Max Discharge Current (8/20) - I _{max} (L-N) [kA]			50
Max Discharge Current (8/20) - I _{max} (N-PE) [kA]			50
Voltage protection level at In - Up (L-N) [kV]	≤1,5		≤2
Voltage protection level at In - Up (L-PE) [kV]	≤1,8		≤2,5
Voltage protection level at In - Up (N-PE) [kV]	≤1,5		≤2
Maximum back-up fuse [A [gG]]			315
Short circuit withstand- I _{scrr} [kA]			25
Following current - I _{fi} [A]			100
Residual current- I _{pe} [μA]			<10
Response time - t _A (L-N) [ns]			≤25
Response time - t _A (N-PE) [ns]			≤100
TOV 5s (LV systems, withstand)- Ut(L-N) [V]	337	403	581
TOV 120min (LV systems, fail safe)- Ut(L-N) [V]	442.5	528	763
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

DATASHEET

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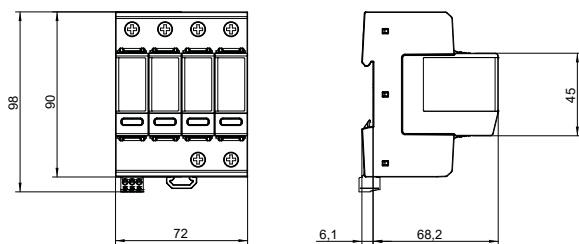
SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

EGA 2 XXX /3+1, EGA 2 XXX /3+1 IR (with Remote Indication)	275	320	440
Nominal discharge current (8/20) - In [kA]		20	
Maximum continuous operating voltage - MCOV (L-L) [V]	550	640	880
Maximum continuous operating voltage - MCOV (L-N) [V]	275	320	440
Maximum continuous operating voltage - MCOV (L-G) [V]	275	320	440
Maximum continuous operating voltage - MCOV (N-G) [V]		305	440
Voltage protection rating - VPR (L-L) [V]	1800	2000	2500
Voltage protection rating - VPR (L-N) [V]	1000	1200	1500
Voltage protection rating - VPR (L-G) [V]		1500	2000
Voltage protection rating - VPR (N-G) [V]		900	1000
Short-Circuit Current Rating-SCCR [kA]	85	100	42

MECHANICAL AND ENVIRONMENTAL FEATURES

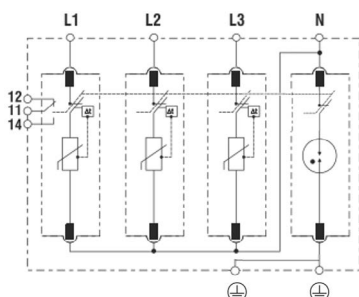
EGA 2 XXX /3+1, EGA 2 XXX /3+1 IR (with Remote Indication)	275	320	440
Temperature range [°C]		-40 ... 85	
Humidity range [%]		5 ... 95	
Max. Altitude [m]		4000	
Indication System Type		Green (OK) / Not green (replace)	
Insulating material		PA6 CT1 & PA66 CT1	
Housing color		Grey RAL 7035	
Enclosure - 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+1 EGA 2 XXX /3+1 IR (with Remote Indication)	275	320	440
Net Weight [kg]	0.442	0.441	0.445
Gross weight [kg]	0.463	0.484	0.465
Packaging dimensions (H x W x L) [mm]	97 x 78 x 118		

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

EGA 2 XXX /3+1 EGA 2 XXX /3+1 IR (with Remote Indication)	275	320	440
EGARA 2 XXX (Line)	33707001	33707003	33707005
EGARA2N(Neutral)	33707000		33707013

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