

EGARA 1 3+1

Power Line SPDs

DIN RAIL - IEC TYPE 1+2



General Data

Internal configuration	3+1
No. Poles	4-Pole
No. DIN rail modules	4
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	L-N / N-PE
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+1	33738400	33738408
EGA 1 XXX/3+1 IR (with Remote Indication)	33738401	33738409

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

EGA 1 XXX/3+1, EGA 1 XXX/3+1 IR (with Remote Indication)	275	320
Maximum back-up fuse [A [gG]]		315
Maximum continuous operating voltage (AC) - Uc (L-N) [V]	275	320
Maximum continuous operating voltage (AC) - Uc (N-PE) [V]		255
Nominal voltage AC 50-60 Hz - Un [V]	230/400	277/480
Nominal voltage AC 50-60 Hz - Un(L-L) [V]	400	480
Nominal voltage AC 50-60 Hz - Un(L-N) [V]	230	277
Nominal discharge current (8/20) - In (L-N) [kA]		20
Nominal discharge current (8/20) - In (N-PE) [kA]		50
Max Discharge Current (8/20) - I _{max} (L-N) [kA]		50
Max Discharge Current (8/20) - I _{max} (N-PE) [kA]		100
Lightning impulse current (10/350) - I _{imp} (L-N) [kA]		12.5
Lightning impulse current (10/350) - I _{imp} (N-PE) [kA]		50
Voltage protection level at In - Up (L-N) [kV]		≤1,5
Voltage protection level at In - Up (L-PE) [kV]		≤1,8
Voltage protection level at In - Up (N-PE) [kV]		≤1,5
Short circuit withstand- I _{sc} [kA]		25
Following current - I _{fi} [A]		100
Residual current- IGND [mA]		<0,01
Response time - t _A (L-N) [ns]		<25
Response time - t _A (N-PE) [ns]		<100
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]		625
TOV 5s (LV systems, withstand)- Ut(L-N) [V]	337	403

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Continue EGA 1 **XXX**/3+1, EGA 1 **XXX**/3+1 IR (with Remote Indication)

EGA 1 XXX /3+1, EGA 1 XXX /3+1 IR (with Remote Indication)	275	320
TOV 120min (LV systems, fail safe)- Ut(L-N) [V]	442.5	528
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

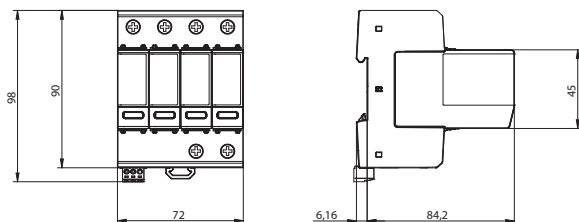
SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

EGA 1 XXX /3+1, EGA 1 XXX /3+1 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]	275	320
Maximum continuous operating voltage - MCOV (L-G) [V]	275	320
Maximum continuous operating voltage - MCOV (N-G) [V]		305
Voltage protection rating - VPR (L-L) [V]		2000
Voltage protection rating - VPR (L-N) [V]		1200
Voltage protection rating - VPR (L-G) [V]		1500
Voltage protection rating - VPR (N-G) [V]		1000
Short-Circuit Current Rating-SCCR [kA]		42

MECHANICAL AND ENVIRONMENTAL FEATURES

EGA 1 XXX /3+1, EGA 1 XXX /3+1 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 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 /3+1 EGA 1 XXX /3+1 IR (with Remote Indication)	275	320
Net Weight [kg]		0.58
Gross weight [kg]		0.62
Packaging dimensions (H x W x L) [mm]		97 × 78 × 118

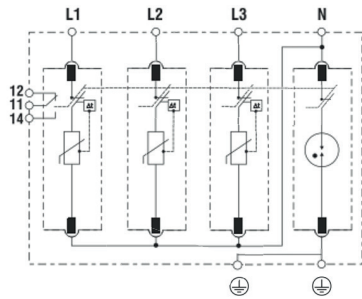
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INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

EGA 1 XXX /3+1	275	320
EGA 1 XXX /3+1 IR (with Remote Indication)		
EGARA 1 XXX (Line)	33738001	33738003
EGARA 1 N (Neutral)	33738000	

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