

PSM 40 2+0 ELV

Power Line SPDs
DIN RAIL - IEC TYPE 2



General Data

Internal configuration	2+0
No. Poles	2-Pole
No. DIN rail modules	2
Network configuration	TNS
IEC SPD Type	Class II
EN SPD Type	Type 2
UL SPD Type	Type 2 Component Assembly
Format	Pluggable
Protection Modes	L-PE
Product standards	IEC/EN 61643-11



PART NUMBERS

XX	48	60
PSM2-40/XX ELV	77707926	77707928
PSM2-40/XX ELV IR (with Remote Indication)	77707927	77707929

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

PSM2-40/XX ELV, PSM2-40/XX ELV IR (with Remote Indication)	48	60
Maximum continuous operating voltage (AC) - U _c [V]	60	75
Maximum continuous operating voltage (DC) - U _{cpv} [V]	85	100
Nominal voltage AC 50-60 Hz - U _n [V]	48	60
Nominal discharge current (8/20)- I _n [kA]		20
Max Discharge Current (8/20) - I _{max} [kA]		40
Voltage protection level at I _n - U _p [kV]	≤0,7	≤0,8
Voltage protection level - U _{res} (L-PE) at 10kA [kV]	0.3	0.5
Maximum back-up fuse [A [gG]]		125
Short circuit withstand- I _{scrr} [kA]		25
Response time - t _A [ns]		≤25
Dynamic thermal disconnection		Yes
Thermal protection behaviour		OCM (Open Circuit Mode)

MECHANICAL AND ENVIRONMENTAL FEATURES

PSM2-40/XX ELV, PSM2-40/XX ELV IR (with Remote Indication)	48	60
Temperature range [°C]		-40 ... 85
Humidity range [%]		5 ... 95
Indication System Type		Green (OK) / Not green (replace)
Insulating material		PA66 CT1
Enclosure - IP		IP20
Flammability class		UL94 V-0
Solid conductor cross section		6...35 mm ²
Stranded conductor cross section		6...25 mm ²
Torque rating [N m]		3

DATASHEET

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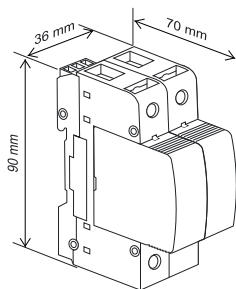
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PSM 40 2+0 ELV

Continue PSM2-40/XX ELV, PSM2-40/XX ELV IR (with Remote Indication)

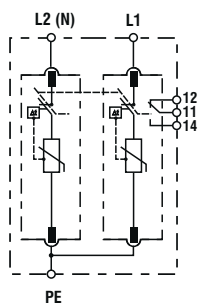
PSM2-40/XX ELV, PSM2-40/XX ELV IR (with Remote Indication)	48	60
Remote indication conductor cross section [mm ²]	0.08 ... 1.5	
Remote indication switching capacity [V/A]	AC: 125/0.2 DC: 250/1	
Remote Indication Torque [N m]	0.2	

DIMENSIONS AND WEIGHT



PSM2-40/XX ELV PSM2-40/XX ELV IR (with Remote Indication)	48	60
Net Weight [kg]	0.198	0.196
Gross weight [kg]	0.223	0.228
Packaging dimensions (H x W x L) [mm]	117 × 42 × 90	

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

PSM2-40/XX ELV PSM2-40/XX ELV IR (with Remote Indication)	48	60
PSM-XX/YYY (Line)	77707680	77707681