

# PSM 40 1+0 ELV

Power Line SPDs  
DIN RAIL - IEC TYPE 2



## General Data

Internal configuration	1+0
No. Poles	1-Pole
No. DIN rail modules	1
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

<b>XX</b>	<b>60</b>
PSM1-40/XX ELV	77707740
PSM1-40/XX ELV IR (with Remote Indication)	77707741

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

PSM1-40/XX ELV, PSM1-40/XX ELV IR (with Remote Indication)	<b>60</b>
Maximum continuous operating voltage (AC) - U <sub>c</sub> [V]	75
Maximum continuous operating voltage (DC) - U <sub>cpv</sub> [V]	100
Nominal voltage AC 50-60 Hz - U <sub>n</sub> [V]	60
Nominal discharge current (8/20) - I <sub>n</sub> [kA]	20
Max Discharge Current (8/20) - I <sub>max</sub> [kA]	40
Voltage protection level at I <sub>n</sub> - U <sub>p</sub> [kV]	≤0,8
Maximum back-up fuse [A [gG]]	125
Short circuit withstand- I <sub>sc</sub> [kA]	25
Response time - t <sub>A</sub> [ns]	≤25
Dynamic thermal disconnection	Yes
Thermal protection behaviour	OCM (Open Circuit Mode)

## MECHANICAL AND ENVIRONMENTAL FEATURES

PSM1-40/XX ELV, PSM1-40/XX ELV IR (with Remote Indication)	<b>60</b>
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 <sup>2</sup>
Stranded conductor cross section	6...25 mm <sup>2</sup>
Torque rating [N m]	3
Remote indication conductor cross section [mm <sup>2</sup> ]	0.08 ... 1.5

## DATASHEET

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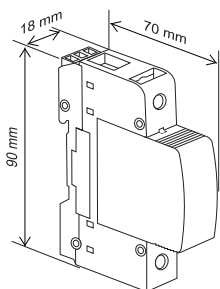
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# PSM 40 1+0 ELV

Continue PSM1-40/XX ELV, PSM1-40/XX ELV IR (with Remote Indication)

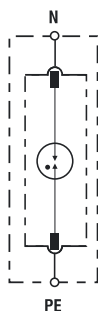
PSM1-40/XX ELV, PSM1-40/XX ELV IR (with Remote Indication)	60
Remote indication switching capacity [V/A]	AC: 125/0.2 DC: 250/1
Remote Indication Torque [N m]	0.2

## DIMENSIONS AND WEIGHT



PSM1-40/XX ELV PSM1-40/XX ELV IR (with Remote Indication)	60
Net Weight [kg]	0.264
Gross weight [kg]	0.324
Packaging dimensions (H x W x L) [mm]	117 × 24 × 90

## INTERNAL CONFIGURATION



## REPLACEMENT CARTRIDGES

PSM1-40/XX ELV PSM1-40/XX ELV IR (with Remote Indication)	60
N	77707681