

PSM 40 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 2 Component Assembly
Format	Pluggable
Protection Modes	L-PE(N)
Product standards	IEC/EN 61643-11; UL 1449 5th Edition



PART NUMBERS

XX/YYYY	40/230	40/400	40/480	30/750	30/850 *
PSM3-XX/YYYY TNC	77707864	77707866	77707882	77707870	
PSM3-XX/YYYY TNC IR (with Remote Indication)	77707865	77707867	77707883	77707871	77707887

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

PSM3-XX/YYYY TNC, PSM3-XX/YYYY TNC IR (with Remote Indication)	40/230	40/400	40/480	30/750	30/850
Maximum continuous operating voltage (AC) - Uc [V]	150	275	320	750	850
Maximum continuous operating voltage (DC) - Ucpv [V]	25				
Nominal voltage AC 50-60 Hz - Un [V]	120/208	230/400	277/480		480/830
Nominal discharge current (8/20) - In [kA]		20			15
Max Discharge Current (8/20) - Imax [kA]		40			30
Voltage protection level at In - Up [kV]	≤1	≤1,3	≤1,5		≤3
Voltage protection level - Ures (L-N) at 10kA [kV]	0.6				
Voltage protection level- Ures (L-N) at 5kA [kV]	0.5				
Maximum back-up fuse [A [gG]]		125		63	80
Short circuit withstand- Isccr [kA]			25		
Response time - tA [ns]			≤25		
Dynamic thermal disconnection			Yes		
Thermal protection behaviour			OCM (Open Circuit Mode)		

SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

PSM3-XX/YYYY TNC, PSM3-XX/YYYY TNC IR (with Remote Indication)	40/230	40/400	40/480	30/750	30/850
Nominal discharge current (8/20) - In [kA]		20		10	
Voltage protection rating - VPR (L-L) [V]	1200	1800	2000	5000	
Voltage protection rating - VPR (L-G) [V]	700	900	1200	2500	

MECHANICAL AND ENVIRONMENTAL FEATURES

PSM3-XX/YYYY TNC, PSM3-XX/YYYY TNC IR (with Remote Indication)	40/230	40/400	40/480	30/750	30/850
Temperature range [°C]			-40 ... 85		
Humidity range [%]			5 ... 95		

*No UL certification.

DATASHEET

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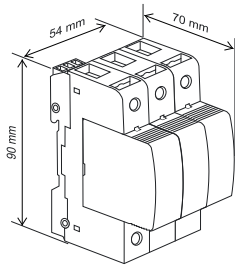
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PSM 40 3+0

Continue PSM3-XX/YYY TNC, PSM3-XX/YYY TNC IR (with Remote Indication)

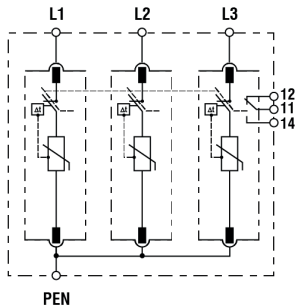
PSM3-XX/YYY TNC, PSM3-XX/YYY TNC IR (with Remote Indication)	40/230	40/400	40/480	30/750	30/850
Indication System Type	Green (OK) / Not green (replace)				
Insulating material	PA66 CT1				
Enclosure - IP	IP20				
Flammability class	UL94 V-0				
Solid conductor cross section	6...35 mm ²				
Stranded conductor cross section	6...25 mm ²				
Torque rating [N m]	3				
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



PSM3-XX/YYY TNC PSM3-XX/YYY TNC IR (with Remote Indication)	40/230	40/400	40/480	30/750	30/850
Net Weight [kg]	0.286	0.304	0.311	0.363	0.375
Gross weight [kg]	0.326	0.343	0.351	0.402	0.416
Packaging dimensions (H x W x L) [mm]	117 × 63 × 90				

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

PSM3-XX/YYY TNC PSM3-XX/YYY TNC IR (with Remote Indication)	40/230	40/400	40/480	30/750	30/850
PSM-XX/YYY (Line)	77707653	77707654	77707671	77707668	77707689

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