

# CSH 50 1+0

Power Line SPDs  
DIN RAIL - IEC TYPE 1



## General Data

Internal configuration	1+0
No. Poles	1-Pole
No. DIN rail modules	2
Network configuration	TNS, TNC, TT (only L-N)
IEC SPD Type	Class I
EN SPD Type	Type 1
Format	Monobloc
Protection Modes	L - N / L-PE / N-PE
Product standards	IEC 61643-11; EN 61643-11



## PART NUMBERS

XXX	120	230	277	400
CSH1-50/XXX	77738010	77738012	77738016	77738014

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

CSH1-50/XXX	120	230	277	400
Maximum continuous operating voltage (AC) - Uc [V]	150	275	320	440
Nominal voltage AC 50-60 Hz - Un [V]	120	230	277	400
Nominal discharge current (8/20)- In [kA]			50	
Lightning impulse current (10/350) - Iimp [kA]			50	
Voltage protection level at In - Up [kV]	≤2,5	≤2		≤2,5
Maximum back-up fuse [A [gG]]			500	
Short circuit withstand- Isccr [kA]			50	
Following current - Iff [kA]			50	
Response time - tA [ns]			≤100	

## MECHANICAL AND ENVIRONMENTAL FEATURES

CSH1-50/XXX	120	230	277	400
Temperature range [°C]			-40 ... 85	
Humidity range [%]			5 ... 95	
Insulating material			PC+GF	
Housing color			Grey RAL 7035	
Enclosure - IP			IP20	
Flammability class			UL94 V-0	
Solid conductor cross section			16...35 mm <sup>2</sup>	
Stranded conductor cross section			16...25 mm <sup>2</sup>	
Torque rating [N m]			4	

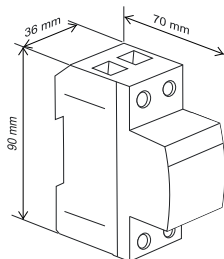
## DATASHEET

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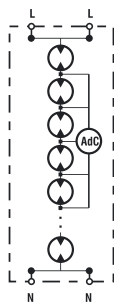
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## DIMENSIONS AND WEIGHT



CSH1-50/XXX	120	230	277	400
Net Weight [kg]	0.253	0.235	0.252	0.024
Gross weight [kg]	0.29	0.262	0.288	0.26
Packaging dimensions (H x W x L) [mm]	117 × 42 × 90			

## INTERNAL CONFIGURATION



## DATASHEET