

# PSC4-12,5/400 TT

77738405



Surge Protection Device, Type 1+2, 3Ph+N, 12.5kA(10/350), 230V, TTearthing system,

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[Link to the product page](#)

Technical Data	Value	Units
<b>Commercial data</b>		
Code	77738405	
Part Number	PSC4-12,5/400 TT	
Status	Available	
EAN	8435297829720	
Tariff code (HS)	8536.30.90	
<b>Dimensions</b>		
Product height	90	[mm]
Product width	72	[mm]
Product length	76	[mm]
Product weight	616	[gr]
<b>General data</b>		
Internal configuration	3P+N	
No. poles	4	
No. DIN rail modules	4	
Installation	(L1-L2-L3-N-PE)	
Format	Pluggable	
Network configuration	TT, TNS	
Certifications	CE	
Designation according to EN 61643-11	Type 1+2	
Designation according to IEC 61643-11	Class I+II	
Insulating material & flammability class	PA66 CT1; V-0	
Enclosure	IP 20	
Temperature range	-40 °C ... +80 °C	
<b>Technical features</b>		

Supply voltage		230 / 400 [V]	
Nominal voltage AC 50-60 Hz (L-N)	Un (L-N)	230	[V]
Nominal voltage AC 50-60 Hz (L-L)	Un (L-L)	400	[V]
Maximum continuous operating voltage (L-N)	Uc (L-N)	275	[V]
Maximum continuous operating voltage (N-PE)	Uc (N-PE)	255	[V]
Lightning impulse current (10/350) (L-N)	limp (L-N)	12,5	[kA]
Lightning impulse current (10/350) (N-PE)	limp (N-PE)	50	[kA]
Maximum discharge current (8/20) (L-N)	Imax (L-N)	65	[kA]
Maximum discharge current (8/20) (N-PE)	Imax (N-PE)	65	[kA]
Nominal discharge current (8/20) (L-N)	In (L-N)	20	[kA]
Nominal discharge current (8/20) (N-PE)	In (N-PE)	50	[kA]
Nominal discharge current (8/20)	In	20	[kA]
Voltage protection level (L-N) at In	Up (L-N)	1,3	[kV]
Voltage protection level (N-PE) at In	Up (N-PE)	1,5	[kV]
Maximum back-up fuse		200	A [gG]
Short circuit withstand	Isc cr	25	[kA]
Response time (L-N)	tA (L-N)	25	[ns]
Response time (N-PE)	tA (N-PE)	100	[ns]
Following current (N-PE)	I <sub>fi</sub>	100	[A]
Remote indication		No	
Visual end of life indication		Yes	
Dynamic thermal disconnection (L-N)		Yes	

## Specification data

### **PSC4-12,5/400 TT**

3 Phases + Neutral (3+1), modular surge arrester  
SPD Type 1+2 according to EN 61643-11  
SPD Class I+II according to IEC 61643-1  
High-capacity varistor technology  
Base part with plug-in protection modules  
Maximum continuous operating  
Voltage,  $U_c$  (L-N / N-PE) : 275 V AC / 255 V AC  
Voltage protection level,  $U_p$  (L-N / N-PE):  $\leq 1.3$  kV /  $\leq 1.5$  kV  
Nominal discharge current (8/20),  $I_n$  (L-N / N-PE): 20 kA / 50kA  
Maximum discharge current (8/20),  $I_{max}$  (L-N / N-PE): 65 kA / 65 kA  
Impulsional discharge current (10/350),  $I_{imp}$  (L-N / N-PE): 12,5kA / 50kA  
Short-circuit withstand capability,  $I_{sc}$ : 25 kArms  
Following current,  $I_{fi}$  (L-N / N-PE): not applicable / 100A  
Maximum back up fuse of 160A  
End of life visual indication  
Dynamic thermal disconnection  
Protection module with coding  
Multifunctional terminals for connection of conductors and busbars  
DIN rail mountable device acc. to EN 60715  
Polariser safety system to avoid cartridge replacement errors  
Reversible installation  
Material PT66 CT1-V0  
Width: 4 mod.  
Delivery and installation  
Manufacturer: Cirprotec  
Type: **PSC4-12,5/400 TT**  
Part No.: **77738405**  
1 Piece(s).  
or equal

Certifications	Value	Units
Certifications	CE	

## Accessories



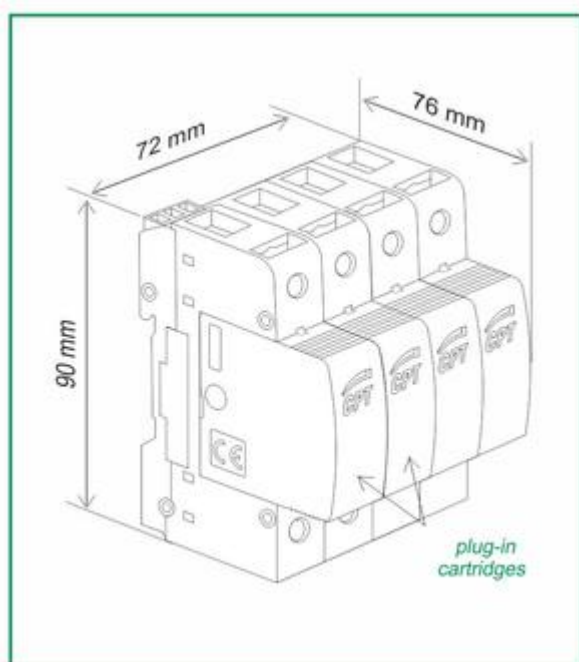
Código	77738601
Referencia	PSC-12,5/230
Description	<b>Replaceable module, Type 1+2, Ph, 12.5kA(10/350), 230V</b>



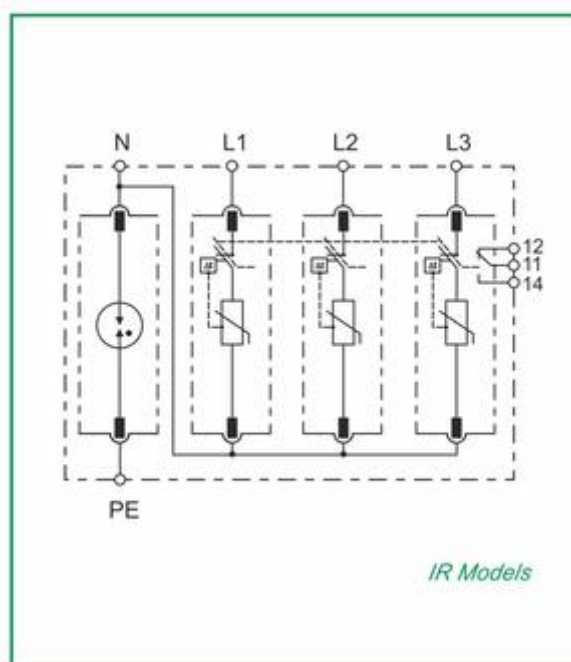
Código	77738614
Referencia	PSC-50N
Description	<b>Replaceable module, Type 1+2, N-PE, 50kA(10/350)</b>

## Wiring diagrams

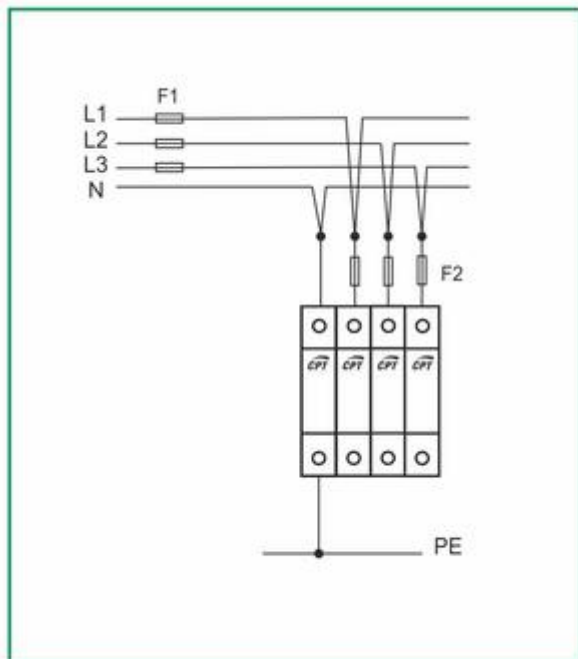
## Dimensions



## Internal configuration



Wiring diagram



Other images

PSM-POLARIZADOR



PSM-INDICADOR-REMOTA



PSM-CONEXION-BICONNECT



PSM-SUSTITUCION-CARTUCHO



## Downloads

Install sheet	CPT-FAP-PROTECCION-CONTRA-SOBRETENSIONES-PSC4-12,5.pdf
Wiring diagram (CAD)	CPT-CAD-PROTECCION-CONTRA-SOBRETENSIONES-PSC4-12,5-400-TT-77738405.dwg
Wiring diagram (PDF)	CPT-CIP-PROTECCION-CONTRA-SOBRETENSIONES-PSC4-12,5-400-TT-77738405.pdf
Specification text	CPT-SPC-SURGE-PROTECTION-PSC4-12-5-400-TT-77738405.txt

## Address



### Barcelona

**Cirprotec, S.L.U.**

C/ Lepanto, 49

08223 - Terrassa (Barcelona)

Tel. +34 937 331 684

Fax. +34 93 733 27 64

[www.cirprotec.com](http://www.cirprotec.com)

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