

# PSC4-12,5/400 TT

77738405



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**Combined SPD - lightning current and surge arrester, Type 1+2 / Class I+II, 4 poles (3P+N), (L1-L2-L3-N-PE), 12.5 kA (10/350), 230 / 400 V, TT earthing system, 4 modules, pluggable.**

## Technical Data

Value | Units

### Commercial data

Code	77738405
Part Number	PSC4-12,5/400 TT
Status	Available
EAN	8435297829720
Tariff code (HS)	8536.30.90
Packaging height	90 [mm]
Packaging width	80 [mm]
Packaging length	105 [mm]
Packaging weight	647 [gr]
Packaging unit	1

### Technical features

Internal configuration	3P+N
No. poles	4
No. DIN rail modules	4
Installation	(L1-L2-L3-N-PE)
Format	Pluggable
Network configuration	TT, TNS
Product standards	IEC 61643-1; EN 61643-11
Certifications	CE

Designation according to EN 61643-11		<b>Type 1+2</b>	
Designation according to IEC 61643-1		<b>Class I+II</b>	
Supply voltage		<b>230 / 400 [V]</b>	
Nominal voltage AC 50-60 Hz (L-N)	Un (L-N)	<b>230</b>	[V]
Nominal voltage AC 50-60 Hz (L-L)	Un (L-L)	<b>400</b>	[V]
Maximum continuous operating voltage (L-N)	Uc (L-N)	<b>275</b>	[V]
Maximum continuous operating voltage (N-PE)	Uc (N-PE)	<b>255</b>	[V]
Lightning impulse current (10/350) (L-N)	Iimp (L-N)	<b>12,5</b>	[kA]
Lightning impulse current (10/350) (N-PE)	Iimp (N-PE)	<b>50</b>	[kA]
Maximum discharge current (8/20) (L-N)	I <sub>max</sub> (L-N)	<b>65</b>	[kA]
Maximum discharge current (8/20) (N-PE)	I <sub>max</sub> (N-PE)	<b>65</b>	[kA]
Nominal discharge current (8/20) (L-N)	I <sub>n</sub> (L-N)	<b>20</b>	[kA]
Nominal discharge current (8/20) (N-PE)	I <sub>n</sub> (N-PE)	<b>50</b>	[kA]
Voltage protection level (L-N) at I <sub>n</sub>	Up (L-N)	<b>1,3</b>	[kV]
Voltage protection level (N-PE) at I <sub>n</sub>	Up (N-PE)	<b>1,5</b>	[kV]
Maximum back-up fuse		<b>125</b>	A [gL]
Short circuit withstand	I <sub>cc</sub>	<b>25</b>	[kA]
Response time (L-N)	t <sub>A</sub> (L-N)	<b>25</b>	[ns]
Response time (N-PE)	t <sub>A</sub> (N-PE)	<b>100</b>	[ns]
Following current (N-PE)	I <sub>fi</sub>	<b>100</b>	[A]
Remote indication		<b>No</b>	
Visual end of life indication		<b>Yes</b>	
Dynamic thermal disconnection (L-N)		<b>Yes</b>	
Insulating material & flammability class		<b>PA66 CT1; V-0</b>	
Base element color		<b>Grey anthracite</b>	
Cartridge color		<b>Orange</b>	
Enclosure		<b>IP 20</b>	
Temperature range		<b>-40 °C ... +80 °C</b>	
Product height		<b>90</b>	[mm]
Product width		<b>72</b>	[mm]
Product length		<b>76</b>	[mm]
Product weight		<b>616</b>	[gr]

### Wiring of connection circuit

Torque		<b>4</b>	[Nm]
Rigid flexible wire		<b>10</b>	[mm]
Min. rigid conductor section		<b>6</b>	[mm <sup>2</sup> ]
Max. rigid conductor section		<b>35</b>	[mm <sup>2</sup> ]
Flexible bare wire		<b>10</b>	[mm]
Min. flexible cable section		<b>6</b>	[mm <sup>2</sup> ]
Max. flexible conductor section		<b>25</b>	[mm <sup>2</sup> ]

### More information

More about the product range on page...

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CPT-Cirprotec-V-OVERVOLTAGE-AND-SURGE-PROTECTION [ 4.05  
MB ]

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## Specification data

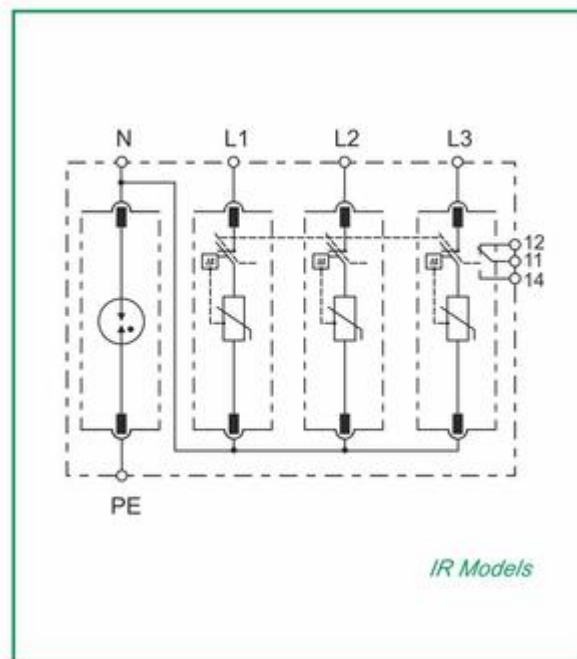
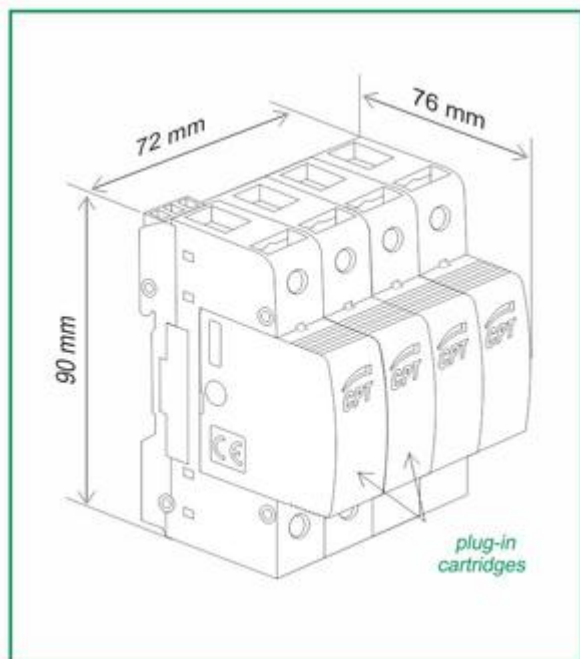
### **PSC4-12,5/400 TT**

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

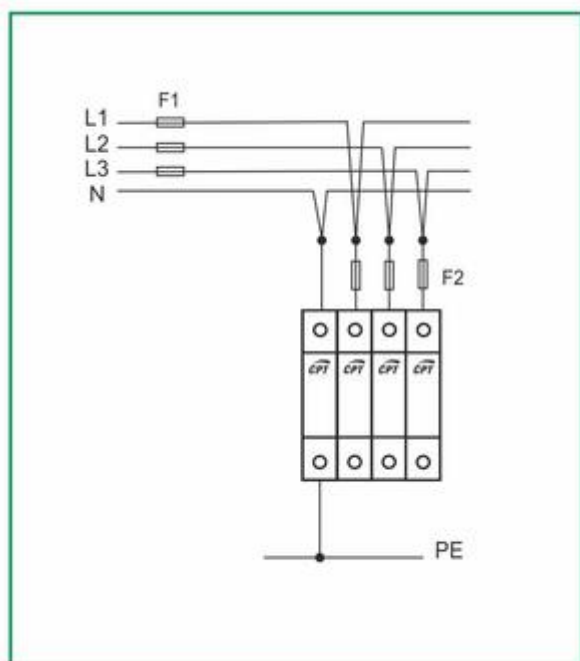
## Wiring diagrams

Dimensions

Internal configuration



Wiring diagram



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