

COMB. SURGE ARRESTER TYPE 1+2 FOR 2-WIRE SYSTEMS (L, PEN) PLUG-IN PROTECTION MODULES 1-POLE, 1+0 CIRCUIT W. REMOTE INDICATION CONTACT MOUNT. WIDTH 36MM



Order number

General technical data	
product brandname	SETRON
Product designation	Surge protection device
Design of the product	Arrester combination
Frequency of the supply voltage	50 Hz
Frequency of the supply voltage	60 Hz
Protection level	1.5 kV
Apparent power consumption / in standby mode	140 mVA
Discharge current / 1 phase / at (8/20) μ s / maximum	25 A
Connectable conductor cross-section / finely stranded / minimum	2.5 mm ²
Residual voltage / at 10 kA / at (8/20) μ s	1.1 kV
Residual voltage / at 5 kA / at (8/20) μ s	1 kV
Residual voltage / at 3 kA / at (8/20) μ s	1 kV
Limit voltage / with pulse curve shape C3 / at (20 kV/10 kA) / acc. to IEEE C 62.41 and BS 6651	1.1 kV
Limit voltage / with pulse curve shape C2 / at (10 kV/5 kA) / acc. to IEEE C 62.41 and BS 6651	1 kV
Response delay	25 ns

Insulation material	PBT
Fuse protection type / at input for supply voltage	315A125A* gl/gG (*with feed-through wiring)
Short-circuit rating	for 315gL: 25 kA rms
Ambient temperature / minimum	-40 °C
Ambient temperature / maximum	80 °C
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded / minimum	13 mm ²
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded / maximum	2 mm ²
Design of the thread	M5
Design of the switching function	1 CO
Voltage Protection Rating (VPR) / acc. to UL 1449	900 V
Connectable conductor cross-section / finely stranded / maximum	25 mm ²
Residual voltage / at (8/20) µs	1.3 kV
Wire stripping length / for remote signaling contact	7 mm
LV short text	Arrester combination, Class no value, , no value-pole, no value
Text of invitation to tender	Surge protection device, Arrester combination acc. to IEC 61643-11 for no value Rated voltage Un: AC Degree of protection: no value Class: no value Rated arrester surge current I_n 1-phase, at 8/20 µs: 25,0 A Version of the poles: no value Short-circuit strength: for 315gL: 25 kA rms Contact for remote signaling: no value Ambient temperature: -40 °C ... 80 °C Size: no value

General Product Approval



Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SD7441-1>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/5SD7441-1/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7441-1

