

SURGE ARRESTER TYPE 2 REQUIREMENT CATEGORY C, UC
350V PLUG-IN PROTECTION BLOCKS 3-POLE, 3+0 CIRCUIT FOR
TNC SYSTEMS W. REMOTE DISPLAY,NARROW DESIGN



Order number

General technical data	
product brandname	SETRON
Product designation	Surge protection device
Design of the product	Surge arrester
Frequency of the supply voltage	50 Hz
Frequency of the supply voltage	60 Hz
Protection level	1.4 kV
Apparent power consumption / in standby mode	3.5 mVA
Discharge current / 1 phase / at (8/20) μ s / maximum	20 A
Discharge current / 3 phase / at (8/20) μ s / Rated value	60 kA
Discharge current / between L and N / 1 phase / at (8/20) μ s / maximum	40 kA
Discharge current / 3 phase / at (1.2/50) μ s / maximum	120 kA
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	1.1 kV

Residual voltage / at 3 kA / at (8/20) µs	1 kV
Limit voltage / with pulse curve shape C3 / at (20 kV/10 kA) / acc. to IEEE C 62.41 and BS 6651	1.2 kV
Limit voltage / with pulse curve shape C2 / at (10 kV/5 kA) / acc. to IEEE C 62.41 and BS 6651	1.1 kV
Response delay	25 ns
Insulation material	PBT
Fuse protection type / at input for supply voltage	125A40AGL/gG (*with feed-through wiring)
Short-circuit rating	for 125gL: 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	12 mm²
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded / maximum	4 mm²
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	16 mm²
Limit voltage / at pulse curve shape B3/C1 / at (6 kV/3 kA) / acc. to IEEE C 62.41 and BS 6651	1 kV
Residual voltage / at (8/20) µs	1.4 kV
Wire stripping length / for remote signaling contact	7 mm
LV short text	Surge arrester, Class no value, , no value-pole, no value
Text of invitation to tender	Surge protection device, Surge arrester acc. to IEC 61643-11 for no value Rated voltage Un: AC Degree of protection: no value Class: no value Rated arrester surge current In 1-phase, at 8/20 µs: 20,0 A Version of the poles: no value Short-circuit strength: for 125gL: 25 kA rms Contact for remote signaling: no value Ambient temperature: -40 °C ... 80 °C Size: no value

General Product Approval

other



KEMA



UL



UR



[Umweltbestätigung](#)

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/5SD7423-1>

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

<http://support.automation.siemens.com/WW/view/en/5SD7423-1/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7423-1

CAX-Online-Generator

<http://www.siemens.com/cax>