

Surge ARRESTER TYPE 2, UN 240/400V, UC 350/264V a.c.,
PLUGGABLE PROTECTION MODULES, 3+1 CIRCUIT (TN-S, TT),
WIDTH 49,2MM



Article number

General data	
product brandname	SETRON
Product designation	Surge protection device
Design of the product	Surge arrester
Signal design	optical
Type of distribution system	TT, TN-S
Design of pole	3+N/PE
Type of electrical connection	Screw terminal
Size of surge arrester	2,7 MW
Mounting type	DIN rail NS 35
Designation of the protective paths	L-N, N-PE
Installation altitude / at height above sea level	2 000 m
Shock acceleration	30 gn
Material / of the enclosure	PA 6.6 / PBT
Overvoltage category / acc. to IEC 61010-1	III
Relative humidity / during operation	5 ... 95
Ambient temperature	
• during operation	-40 ... +80

• during storage and transport	-40 ... +80
Degree of pollution	2
Net weight	382 g
Depth	71.5 mm
Width	49.2 mm
Height	90 mm

Electrical data

Continuous operating voltage	
• between L and (PE)N / at AC	350 V
• between L and PE / at AC	350 V
• between N and PE / at AC	264 V
Adjustable tripping factor / of trip current	1.6
Discharge current	
• between L and (PE)N / at (8/20) μ s	20 kA
• between L and N / at (8/20) μ s	40 kA
• between L and PE / at (8/20) μ s	40 kA
• between L and PE / at (8/20) μ s	20 kA
• between N and PE / at (8/20) μ s	80 kA
• between N and PE / at (8/20) μ s	40 kA
• Response value of the surge voltage / between N and PE / at 6 kV / at (1.2/50) μ s	1.5 kV
Response time	
• between L and (PE)N	25 ns
• between N and PE	100 ns
Residual voltage	
• between L and (PE)N	
— at 2 kA maximum	1 kV
— at 4 kA maximum	1.1 kV
— at 5 kA / maximum	1.2 kV
— at 10 kA / maximum	1.3 kV
— at rated value of discharge current / maximum	1.5 kV
• between N and PE	
— at 2 kA maximum	0.7 kV
— at 4 kA maximum	0.7 kV
— at 5 kA / maximum	0.7 kV
— at 10 kA / maximum	0.7 kV
— at rated value of discharge current / maximum	0.7 kV
High follow current extinguishing capability	
• between N and PE	100 A (264 V a.c.)
Load current	40 A

SPD classification / acc. to EN 61643-11	
• Test Class I, Type 1	No
• Test Class II, Type 2	Yes
• Test Class III, Type 3	No
Protection level	
• between L and N	1.5 kV
• between L and PE	1.9 kV
• between N and PE	1.5 kV
Vibration acceleration / at 5 Hz ... 500 Hz / limited to 2,5 h / per axis	5 gn
Short-circuit rating (SCCR) / at AC / at 264 V	25 kA

Connections/Terminals

Wire stripping length	16 mm
Number of SPD ports	1
Tightening torque	4.3 ... 4.7
Wire stripping length	16 mm
Connectable conductor cross-section	
• for finely stranded conductor	2.5 ... 16
• for rigid conductor	2.5 ... 25
AWG number / as coded connectable conductor cross section	12 ... 4
Design of the thread / of the connection screw	M5

NEMA/UL - Data

Combustibility class acc. to UL 94	V0
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Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SD7424-2>

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

<http://support.automation.siemens.com/WW/view/en/5SD7424-2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7424-2

CAX-Online-Generator

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