SIEMENS

Data sheet

5SD7473-1



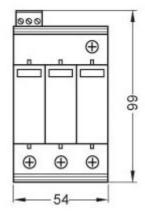
Surge arrester Type 2 UC 600 V AC Pluggable protective modules 3-pole, 3+0 circuit for IT systems without supplied N-conductor with remote signaling contact

General data	
standard	IEC 61643-11: 2011, EN 61643-11: 2012
product designation	Surge protection device
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
number of SPD ports	1
Product version	Surge arrester
design of pole	3
designation of the protective paths	L-PEN, L-PE
Accessories	3 x 5SD7498-1
fastening method	DIN rail NS 35
material / of the enclosure	PA 6.6 / PBT
size of surge arrester	3 MW
Degree of pollution	2
overvoltage category / acc. to IEC 61010-1	
protection class IP / at connection all terminals	IP20
shock acceleration	25 gn
vibrational acceleration / at 5 Hz \dots 500 Hz / limited to 2,5 h / per axis	5 gn
Ambient temperature / during operation / minimum permissible ambient temperature / during operation / maximum permissible	-40 °C 80 °C
ambient temperature / during storage and transport	-40 °C 80 °C
relative humidity / during operation	5 % 95 %
installation altitude / at height above sea level / maximum	2 000 m
Width	53.4 mm
Height	99 mm
depth	71.5 mm
net weight	386 g
Electrical data	
type of distribution system	TN-C, IT
operating voltage	240 / 690 V AC00 V AC (IT)
operating voltage	690 V
operating frequency	50/60 Hz
continuous operating voltage	
• maximum	580 V

load current	
	A 08
protective conductor current	0.75 mA (550 V AC)
apparent power consumption / maximum	450 mVA
discharge current	
● at (8/20) µs	15 kA
 1 phase / at (8/20) μs 	30 kA
short-circuit rating (SCCR) / at 264 V	25 kA
protection level	2.5 kV
• maximum	2.5 kV
residual voltage	
 at rated value of discharge current / maximum 	2.5 kV
• at 10 kA / maximum	2.3 kV
 at 5 kA / maximum 	2.1 kV
• at 3 kA / maximum	1.9 kV
Response time	25 ns
adjustable response factor / of tripping current	1.6
fuse protection type / at V-shaped connection	80 A AC (gG)
fuse protection type / for T-connector	125 A AC (gG)
Connections/ Terminals	
type of electrical connection	Screw terminal
stripped length	16 mm
tightening torque	4.3 4.7
stripped length	16 mm
connectable conductor cross-section	
for finely stranded conductor	1.5 25
for rigid conductor	1.5 25
finely stranded	1.5 25
AWG number / as coded connectable conductor cross	15 2
	10 2
section	
	M5
section	M5 Optical, remote signaling contact
section design of the thread / of the connection screw	
section design of the thread / of the connection screw signal design	
section design of the thread / of the connection screw signal design Indicator/remote signaling	Optical, remote signaling contact
section design of the thread / of the connection screw signal design Indicator/remote signaling switching function / of the remote signaling contacts	Optical, remote signaling contact
section design of the thread / of the connection screw signal design Indicator/remote signaling switching function / of the remote signaling contacts operating voltage / of the remote signaling contacts	Optical, remote signaling contact PDT contact
section design of the thread / of the connection screw signal design Indicator/remote signaling switching function / of the remote signaling contacts operating voltage / of the remote signaling contacts • at AC	Optical, remote signaling contact PDT contact 5 250
section design of the thread / of the connection screw signal design Indicator/remote signaling switching function / of the remote signaling contacts operating voltage / of the remote signaling contacts • at AC • at DC	Optical, remote signaling contact PDT contact 5 250
section design of the thread / of the connection screw signal design Indicator/remote signaling switching function / of the remote signaling contacts operating voltage / of the remote signaling contacts • at AC • at DC operational current / of the remote signaling contacts	Optical, remote signaling contact PDT contact 5 250 30 V
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section design of the thread / of the connection screw signal design Indicator/remote signaling switching function / of the remote signaling contacts operating voltage / of the remote signaling contacts • at AC • at DC operational current / of the remote signaling contacts • at AC • at DC connection type of remote signaling contact connectable conductor cross-section • for remote signaling contacts / for rigid conductor • for finely stranded conductor / for remote signaling contacts AWG number / as coded connectable conductor cross section / for remote signaling contacts / minimum AWG number / as coded connectable conductor cross section / for remote signaling contacts / minimum tightening torque / for remote signaling contacts stripped length / of the cable / for remote signaling contacts NEMA/UL - Data	Optical, remote signaling contact PDT contact 5 250 30 V 5 mA 1.5 A 1 A DC (30 V DC) M2 0.14 1.5 28 16 0.25 N·m
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