SIEMENS

Data sheet 5SD7464-0



Surge arrester Type 2 Requirement class C, UC 350V Pluggable protective modules 4-pole, 3+1 circuit for TN-S and TT systems

Standard IEC 61643-11: 2011, EN 61643-11: 2012	General data	
Product designation Surge protection device		IEC 61643-11: 2011, EN 61643-11: 2012
SPD classification / according to EN 61643-11 * Test Class II, Type 1 No		
• Test Class I, Type 1 • Test Class II, Type 3 • Test Class III, Type 3 • Test Class III, Type 3 • No number of SPD ports design of the product design of the product Surge arrester design aft pole designation of the protective paths L-N, L-PE, N-PE accessories 3 x SSD7468-1 + 1 x SSD7488-0 fastening method DIN rail NS 35 material / of the enclosure PA 6.6 / PBT size of surge arrester 4 TE degree of pollution vervoltage category / according to IEC 61010-1 III protection class IP / at connection all terminals shock acceleration vibrational acceleration / at 5 Hz 500 Hz / limited to 2,5 h / per axis installation altitude / at height above sea level / maximum depth 71.5 mm net weight telorical data type of distribution system operating voltage continuous operating voltage maximum between N and PE maximum between N and PE maximum between L and (PE)N apparent power consumption / maximum 450 mVA discharge current e (8/20) µs 1 plasse / at (8/20) µs 40 kA follow current extinguishing capability		
● Test Class II, Type 2 ● Test Class III, Type 3 No number of SPD ports 1 design of the product Surge arrester design of pole 3*N*PE designation of the protective paths 1. N, L-PE, N-PE accessories 3 x 65D7468-1 + 1 x 55D7488-0 Inaterial / of the enclosure FA 6.6 / PBT size of surge arrester 4 TE degree of pollution 2 overvottage category / according to IEC 61010-1 III protection class IP / at connection all terminals shock acceleration yibrational acceleration / at 5 Hz 500 Hz / limited to 2,5 h / per axis relative humidity / during operation installation altitude / at height above sea level / maximum width height height height yibrations yet me the weight Sport of surger and per the surger and pe	-	No
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overvoltage category / according to IEC 61010-1 III protection class IP / at connection all terminals IP20 shock acceleration 25 gn vibrational acceleration / at 5 Hz 500 Hz / limited to 2,5 h / per axis relative humidity / during operation 5 % 95 % installation altitude / at height above sea level / maximum 2 000 m width 71.5 mm height 90 mm depth 71.5 mm net weight 390 g Electrical data type of distribution system TT, TN-S operating voltage 230 V continuous operating voltage • maximum 350 V • between N and PE 260 V • between L and (PE)N 350 V apparent power consumption / maximum 450 mVA discharge current • at (8/20) µs • 1 phase / at (8/20) µs • 1 phase / at (8/20) µs • follow current extinguishing capability		2
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installation altitude / at height above sea level / maximum width 71.5 mm height 90 mm depth 71.5 mm net weight 390 g Electrical data type of distribution system TT, TN-S operating voltage 230 V continuous operating voltage • maximum 350 V • between N and PE • between L and (PE)N 350 V apparent power consumption / maximum 450 mVA discharge current • at (8/20) µs • 1 phase / at (8/20) µs 6 follow current extinguishing capability		
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height	installation altitude / at height above sea level / maximum	2 000 m
depth 71.5 mm net weight 390 g Electrical data type of distribution system TT, TN-S operating voltage 230 V continuous operating voltage • maximum 350 V • between N and PE 260 V • between L and (PE)N 350 V apparent power consumption / maximum 450 mVA discharge current • at (8/20) µs 20 kA • 1 phase / at (8/20) µs 40 kA	width	71.5 mm
net weight Electrical data type of distribution system TT, TN-S operating voltage omaximum obetween N and PE obetween L and (PE)N apparent power consumption / maximum oat (8/20) µs 1 phase / at (8/20) µs follow current extinguishing capability	height	90 mm
type of distribution system operating voltage omaximum obstween N and PE obstween L and (PE)N apparent power consumption / maximum at (8/20) µs otal (8/20) µs	depth	71.5 mm
type of distribution system operating voltage omaximum obetween N and PE obetween L and (PE)N apparent power consumption / maximum of at (8/20) µs of 1 phase / at (8/20) µs follow current extinguishing capability TT, TN-S 230 V 230 V 250 V 260 V 350 V 350 V 350 V 260 V 270 V 350 V 450 mVA	net weight	390 g
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 maximum between N and PE between L and (PE)N apparent power consumption / maximum discharge current at (8/20) µs 1 phase / at (8/20) µs follow current extinguishing capability 	operating voltage	230 V
between N and PE between L and (PE)N 350 V apparent power consumption / maximum 450 mVA discharge current at (8/20) µs 1 phase / at (8/20) µs 40 kA follow current extinguishing capability	continuous operating voltage	
between L and (PE)N apparent power consumption / maximum discharge current • at (8/20) μs • 1 phase / at (8/20) μs follow current extinguishing capability 350 V 450 mVA 450 mVA 450 mVA 450 mVA 470 kA	• maximum	350 V
apparent power consumption / maximum discharge current at (8/20) µs 1 phase / at (8/20) µs follow current extinguishing capability 450 mVA 20 kA 40 kA	• between N and PE	260 V
discharge current • at (8/20) µs • 1 phase / at (8/20) µs follow current extinguishing capability	between L and (PE)N	350 V
• at (8/20) µs • 1 phase / at (8/20) µs follow current extinguishing capability 20 kA 40 kA	apparent power consumption / maximum	450 mVA
◆ 1 phase / at (8/20) µs follow current extinguishing capability 40 kA	discharge current	
● 1 phase / at (8/20) μs 40 kA follow current extinguishing capability	-	20 kA
follow current extinguishing capability		40 kA
• between N and PE 100 A (260 V)		
	between N and PE	100 A (260 V)

short-circuit rating (SCCR) / at 264 V	25 kA
protection level	
• between L and N	1.6 kV
between L and PE	1.9 kV
between N and L	1.4 kV
between N and PE	1.5 kV
between PE and N and/or L	1.5 kV
residual voltage	
between L and (PE)N	
at rated value of discharge current / maximum	1.6 kV
— at 10 kA / maximum	1.5 kV
— at 5 kA / maximum	1.3 kV
— at 3 kA / maximum	1.1 kV
between L and PE	
at rated value of discharge current / maximum	1.9 kV
— at 10 kA / maximum	1.5 kV
— at 5 kA / maximum	1.3 kV
— at 3 kA / maximum	1.2 kV
• between N and PE	1.2.10
at rated value of discharge current / maximum	0.4 kV
— at 10 kA / maximum	0.25 kV
— at 5 kA / maximum	0.15 kV
— at 3 kA / maximum	0.1 kV
response value of the surge voltage / at 6 kV / at (1.2/50) µs	U. I KV
 between N and PE 	1.5 kV
• between it and i E	1.0 KV
• response time / between L and (PE)N	25 ns
• response time / between N and PE	100 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)
insulation resistance (Riso)	1000 MΩ
Connections/ Terminals	1 000 WIZ2
	Screw terminal
type of electrical connection	
stripped length	16 mm
tightening torque	4.3 4.7
stripped length	16 mm
connectable conductor cross-section	1.5 25
for finely stranded conductor for finid conductor	1.5 25
for rigid conductor finely strengted	1.5 35
• finely stranded	0.5 25
AWG number / as coded connectable conductor cross section	15 2
design of the thread / of the connection screw	M5
signal design	optical
NEMA/UL - Data	77.710
type of distribution system	TT, TN-S
TOV behavior	
at TOV test voltage (L-N)	415 V AC (5 s / withstand mode) / 440 V AC (120 min / safe failure mode)
at TOV test voltage (N-PE)	1200 V (200 ms / withstand mode)
combustibility class according to UL 94	V-0
Further information	

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

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

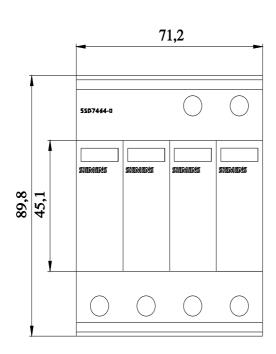
Industry Mall (Online ordering system)

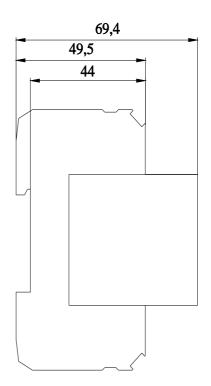
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SD7464-0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SD7464-0

CAx-Online-Generator

http://www.siemens.com/cax





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