SIEMENS

Product data sheet 5SD7432-4



SURGE ARRESTER TYPE 3 REQUIREMENT CATEGORY D RATED VOLTAGE UN 24V UC DC44V/AC34V, 2 POLE FOR 1 PHASE POWER SUPPLY

Similar to image

Technical data:					
product brand name		SENTRON			
Design of the product		Surge arrester			
Operating voltage					
• with AC / nominal value	V	24			
Continuous operating voltage / with AC / maximum	V	34			
Supply voltage frequency	Hz	50 60			
Protection level					
• between N and L	kV	0.18			
between PE and N and/or L	kV	0.55			
Apparent power consumption					
• between L and N / in standby mode	mVA	60			
• between PE and N or L / in standby mode	mVA	0.05			
Impulse discharge current					
• for 1-phase / at (8/20) μs / maximum	kA	1			
\bullet between L and N / for 1-phase / at (8/20) μs / maximum	kA	2			
Continuous operating voltage / with DC / maximum	V	44			
Residual voltage					
• at (8/20) µs	kV	0.18			

between L and PE / at (8/20) μs Dead time	L	137	0.40	
Dead time	• between L and PE / at (8/20) μs	kV	0.12	
Degree of pollution Overvoltage category / according to IEC 61010-1 Product component / fuse No Protection class IP Insulation material Combustibility class acc. to UL 94 Type of fusing / at input for supply voltage Short-circuit firmness Ambient temperature "C -40 +85 Mounting type • for rigid conductor / maximum • for rigid conductor / minimum • mm² 0.2 • maximum • minimum Connectable AWG conductor cross-section / as coded AWG spec. / for grounding • finely stranded Product component / remote-signaling contact Size of the surge arrester Size of the surge arrester • Test Class I, Type 1	• between L and PE / at (8/20) μs	kV	0.12	
Overvoltage category / according to IEC 61010-1 Product component / fuse Protection class IP Insulation material Combustibility class acc. to UL 94 Type of fusing / at input for supply voltage Short-circuit firmness Ambient temperature Comenium of rigid conductor / maximum for rigid conductor / minimum mm² mm² for rigid conductor / minimum mm² mm² 2.5 Connectable AWG conductor cross-section / as coded AWG spec. / for grounding finely stranded Product component / remote-signaling contact Size of the surge arrester Pod Cassification / according to EN 61643-11 Test Class I, Type 1	Dead time	ns	25	
Product component / fuse Protection class IP Insulation material Combustibility class acc. to UL 94 Type of fusing / at input for supply voltage Short-circuit firmness For 25gL: 1.5 kA mms Ambient temperature C -40 +85 Mounting type For rigid conductor / maximum For rigid conductor / minimum For ri	Degree of pollution		2	
Protection class IP Insulation material Combustibility class acc. to UL 94 Type of fusing / at input for supply voltage Short-circuit firmness Ambient temperature **C** -40 +85 Mounting type ** for rigid conductor / maximum ** for rigid conductor / minimum ** for rigid conductor / minimum ** mm²*	Overvoltage category / according to IEC 61010-1		III	
Insulation material Combustibility class acc. to UL 94 Type of fusing / at input for supply voltage Short-circuit firmness Ambient temperature °C -40 +85 Mounting type • for rigid conductor / maximum • for rigid conductor / minimum • for rigid conductor / minimum • mm² 0.2 • maximum • minimum * mm² 2.5 Connectable AWG conductor cross-section / as coded AWG spec. / for grounding • finely stranded PA 6.6 V0 40 +85 Rail-mountable NS 35 • mm² 0.2 Connectable AWG conductor cross-section / as coded AWG spec. / for grounding • finely stranded PA 6.6 Vo Vo 425A gL, MCB 25A B/C For 25gL: 1.5 kA rms Ambient temperature 0.2 **Conductor / maximum **mm² 0.2 **mm² 2.5 **mm² 2.4 12 **Product component / remote-signaling contact Yes Size of the surge arrester Size of the surge arrester 1WM No	Product component / fuse		No	
Combustibility class acc. to UL 94 Type of fusing / at input for supply voltage Short-circuit firmness Ambient temperature °C -40 +85 Mounting type • for rigid conductor / maximum • for rigid conductor / minimum • mm² 4 • for rigid conductor / minimum • mm² 0.2 • maximum • minimum Connectable AWG conductor cross-section / as coded AWG spec. / for grounding • finely stranded Product component / remote-signaling contact Size of the surge arrester SPD classification / according to EN 61643-11 • Test Class I, Type 1	Protection class IP		IP20	
Type of fusing / at input for supply voltage Short-circuit firmness Ambient temperature °C -40 +85 Mounting type • for rigid conductor / maximum • for rigid conductor / minimum • mm² 0.2 • maximum • minimum Connectable AWG conductor cross-section / as coded AWG spec. / for grounding • finely stranded Product component / remote-signaling contact Size of the surge arrester SPD classification / according to EN 61643-11 • Test Class I, Type 1 25A gL, MCB 25A B/C For 25gL: 1.5 kA rms Rail-mountable NS 35 Rail-mountable NS 35 Rail-mountable NS 35	Insulation material		PA 6.6	
Short-circuit firmness Ambient temperature °C -40 +85 Mounting type • for rigid conductor / maximum • for rigid conductor / minimum • mm² 4 • for rigid conductor / minimum • mm² 0.2 • maximum • minimum Connectable AWG conductor cross-section / as coded AWG spec. / for grounding • finely stranded Product component / remote-signaling contact Size of the surge arrester SPD classification / according to EN 61643-11 • Test Class I, Type 1	Combustibility class acc. to UL 94		V0	
Ambient temperature of conductor / maximum of or rigid conductor / minimum of one conductor / minimum of one conductor / minimum of one conductor cross-section / as coded AWG spec. / for grounding of inely stranded of one component / remote-signaling contact Size of the surge arrester Size of the surge arrester One conductor cross-section / as coded AWG spec. / for grounding of one conductor cross-section / as coded AWG spec. / for grounding of one conductor cross-section / as coded AWG spec. / for grounding of one conductor cross-section / as coded AWG spec. / for grounding of one conductor cross-section / as coded AWG spec. / for grounding of one conductor cross-section / as coded AWG spec. / for grounding of one conductor cross-section / as coded AWG spec. / for grounding of one conductor cross-section / as coded AWG spec. / for grounding of one conductor / winimum of one cond	Type of fusing / at input for supply voltage		25A gL, MCB 25A B/C	
Mounting type • for rigid conductor / maximum • for rigid conductor / minimum • mm² 4 • for rigid conductor / minimum • mm² 0.2 • maximum • mm² 2.5 • minimum Connectable AWG conductor cross-section / as coded AWG spec. / for grounding • finely stranded • finely stranded Product component / remote-signaling contact Size of the surge arrester Size of the surge arrester SPD classification / according to EN 61643-11 • Test Class I, Type 1 Rail-mountable NS 35 Rail-mountable NS 35 Rail-mountable NS 35 Rail-mountable NS 35 Rail-mountable NS 35 Mm² 2.5 mm² 2.5 Test Class I, Type 1	Short-circuit firmness		For 25gL: 1.5 kA rms	
• for rigid conductor / maximum • for rigid conductor / minimum • for rigid conductor / minimum • mm²	Ambient temperature	°C	-40 +85	
• for rigid conductor / minimum	Mounting type		Rail-mountable NS 35	
 maximum mm² 0.2 Connectable AWG conductor cross-section / as coded AWG spec. / for grounding finely stranded finely stranded mm² 24 12 Product component / remote-signaling contact Size of the surge arrester SPD classification / according to EN 61643-11 Test Class I, Type 1 No 	for rigid conductor / maximum	mm²	4	
• minimum	for rigid conductor / minimum	mm²	0.2	
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding • finely stranded mm² 24 12 Product component / remote-signaling contact Yes Size of the surge arrester SPD classification / according to EN 61643-11 • Test Class I, Type 1 No	• maximum	mm²	2.5	
spec. / for grounding • finely stranded	• minimum	mm²	0.2	
Product component / remote-signaling contact Yes Size of the surge arrester 1WM SPD classification / according to EN 61643-11 • Test Class I, Type 1 No				
Size of the surge arrester SPD classification / according to EN 61643-11 • Test Class I, Type 1 No	• finely stranded	mm²	24 12	
SPD classification / according to EN 61643-11 • Test Class I, Type 1 No	Product component / remote-signaling contact		Yes	
• Test Class I, Type 1 No	Size of the surge arrester		1WM	
	SPD classification / according to EN 61643-11			
	• Test Class I, Type 1		No	
• test class II type 2	• test class II type 2		No	
• Test Class III, Type 3	• Test Class III, Type 3		Yes	
Signal design Defect signaling contact	Signal design		Defect signaling contact	
Design of the switching function 1 CO	Design of the switching function		1 CO	
Design of the electrical connection M2 screw thread	Design of the electrical connection		M2 screw thread	
Stripped length / for remote signaling contact mm 7	Stripped length / for remote signaling contact	mm	7	
Net weight g 86	Net weight	g	86	

Certificates/approvals:

General Product Approval		Declaration of Conformity	Shipping Approval	other	
				Environmental	









Confirmations

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/5SD7432-4

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

http://support.automation.siemens.com/WW/view/en/5SD7432-4/all

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

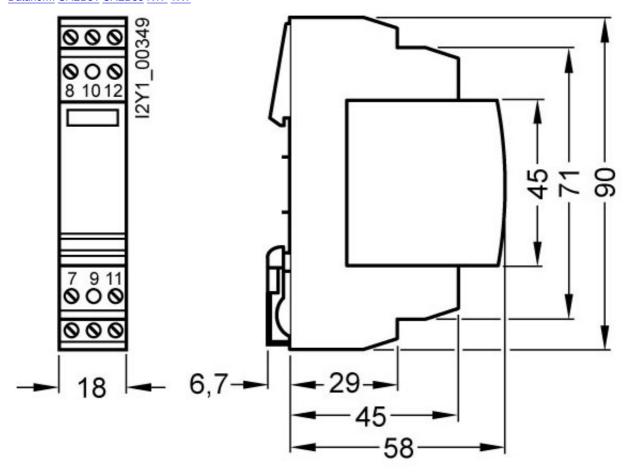
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7432-4}}$

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT



last change: Jun 30, 2014