SIEMENS

Product data sheet 5SY4225-8



CIRCUIT BREAKER 400V 10KA, 2-POLE, D, 25A, D=70MM

Similar to image

Technical data:			
Overvoltage class		3	
type of voltage		AC/DC	
Tripping characteristic class		D	
Degree of pollution		3	
Mounting depth	mm	70	
Energy limiting class		3	
Number of poles		2	
Number of pitch units for width		2	
Product function / n-switching		No	
Supply voltage frequency / rated value	Hz	50	
Switching capacity current / in accordance with IEC 60947-2 / rated value	kA	20	
Breaking capacity current / acc. to EN 60898 / rated value	kA	10	
Supply voltage / for AC / rated value	V	400	
Current / for AC / rated value	Α	25	
Protection class IP		IP20, with connected conductors	
Product extension / can be installed / supplementary device		Yes	
power loss		-	

Operational voltage Um - rated current In - Rated make-break capacity Icn - Rated service short-circuit breaking capacity Ics - Rated ultimate short-circuit breaking capacity Icu - Tripping characteristic/-class Conventional tripping current I2, (x In) - Tripping characteristic/-class Conventional tripping current I2, (x In) - Tripping characteristic/-class Test current I4, hold (x In) - rated current In / IEC, DIN/VDE • at 30 Cel A 25 • at 40 Cel A 23.5 • at 45 Cel A 22.75 • at 50 Cel A 20.25 • at 60 Cel A 20.25 Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine			
Rated make-break capacity Icn Rated service short-circuit breaking capacity Ics Rated ultimate short-circuit breaking capacity Icu Tripping characteristics Number Tripping characteristic/-class Conventional tripping current I2, (x In) rated current In IEC, DIN/VDE Tripping characteristic/-class Test current I4, hold (x In) rated current In / IEC, DIN/VDE • at 30 Cel • at 40 Cel • at 45 Cel • at 50 Cel • at 55 Cel • at 60 Cel A 20.25	Operational voltage Um		-
Rated service short-circuit breaking capacity Icu Tripping characteristics Number Tripping characteristic/-class Conventional tripping current I2, (x In) rated current In IEC, DIN/VDE Tripping characteristic/-class Test current I4, hold (x In) rated current In / IEC, DIN/VDE • at 30 Cel • at 40 Cel • at 45 Cel • at 55 Cel • at 55 Cel • at 60 Cel • at 60 Cel	rated current In		-
Rated ultimate short-circuit breaking capacity lcu Tripping characteristics Number Tripping characteristic/-class Conventional tripping current I2, (x ln) rated current ln IEC, DIN/VDE Tripping characteristic/-class Test current I4, hold (x ln) rated current ln / IEC, DIN/VDE • at 30 Cel • at 40 Cel • at 45 Cel • at 50 Cel • at 55 Cel • at 60 Cel • at 60 Cel	Rated make-break capacity Icn		-
Tripping characteristics Number Tripping characteristic/-class Conventional tripping current I2, (x In) rated current In IEC, DIN/VDE Tripping characteristic/-class Test current I4, hold (x In) rated current In / IEC, DIN/VDE • at 30 Cel • at 40 Cel • at 45 Cel • at 50 Cel • at 50 Cel • at 50 Cel • at 60 Cel A 20.25	Rated service short-circuit breaking capacity lcs		-
Tripping characteristic/-class Conventional tripping current I2, (x ln) rated current In IEC, DIN/VDE Tripping characteristic/-class Test current I4, hold (x ln) rated current In / IEC, DIN/VDE • at 30 Cel • at 40 Cel • at 45 Cel • at 50 Cel • at 55 Cel • at 60 Cel A 20.25	Rated ultimate short-circuit breaking capacity Icu		-
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Tripping characteristic/-class Test current I4, hold (x In) rated current In / IEC, DIN/VDE • at 30 Cel A 25 • at 40 Cel A 23.5 • at 45 Cel A 22.75 • at 50 Cel A 21.75 • at 55 Cel A 20.25 • at 60 Cel A 20.25			-
rated current in / IEC, DIN/VDE • at 30 Cel A 25 • at 40 Cel A 23.5 • at 45 Cel A 22.75 • at 50 Cel A 21.75 • at 55 Cel A 20.25 • at 60 Cel A 20.25	rated current In IEC, DIN/VDE		-
 at 30 Cel at 40 Cel at 45 Cel at 50 Cel at 55 Cel at 60 Cel A 25 A 23.5 A 22.75 A 21.75 A 20.25 A 20.25 	Tripping characteristic/-class Test current I4, hold (x In)		-
 at 40 Cel at 45 Cel at 50 Cel at 50 Cel at 55 Cel at 60 Cel A 23.5 A 22.75 A 21.75 A 20.25 A 20.25 	rated current In / IEC, DIN/VDE		
 at 45 Cel at 50 Cel at 55 Cel at 60 Cel A 22.75 A 21.75 A 20.25 A 20.25 	• at 30 Cel	Α	25
• at 50 Cel A 21.75 • at 55 Cel A 20.25 • at 60 Cel A 20.25	• at 40 Cel	Α	23.5
• at 55 Cel A 20.25 • at 60 Cel A 20.25	• at 45 Cel	Α	22.75
• at 60 Cel A 20.25	• at 50 Cel	Α	21.75
	• at 55 Cel	Α	20.25
Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine	• at 60 Cel	Α	20.25
	Resistance against shock / according to IEC 60068-2-27		150m/s² at 11ms half-sine

Certificates/approvals:

General Product Approval

Declaration of Conformity



ROSTEST





Manufacturer

Shipping Approval









other other

Further information:

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

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

Industry Mall (Online ordering system)

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

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

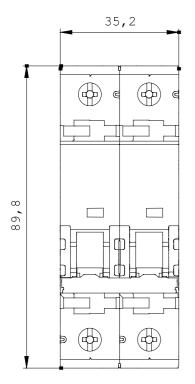
http://support.automation.siemens.com/WW/view/en/5SY4225-8/all

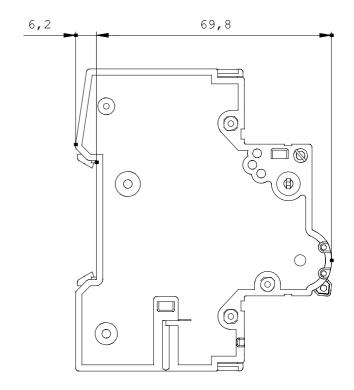
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

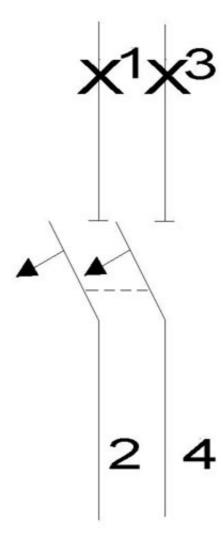
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4225-8

CAx-Online-Generator

http://www.siemens.com/cax







last change: Nov 3, 2011