SIEMENS

Product data sheet 5SY4506-7



CIRCUIT BREAKER 230V 10KA, 1+N-POLE, C, 6A, D=70MM

Similar to image

Technical data:		
Overvoltage class		3
type of voltage		AC/DC
Tripping characteristic class		С
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		Yes
Supply voltage frequency / rated value	Hz	50
Switching capacity current / in accordance with IEC 60947-2 / rated value	kA	35
Breaking capacity current / acc. to EN 60898 / rated value	kA	10
Supply voltage / for AC / rated value	V	230
Current / for AC / rated value	Α	6
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 characteristics Number - Tripping characteristic/-class Conventional tripping current I2, (x In) - rated current In IEC, DIN/VDE - at 30 Cel A at 40 Cel A at 45 Cel A at 50 Cel A at 50 Cel A at 50 Cel A at 60 Cel A A 5.46 at 50 Cel A at 60 Cel A A 5.22 at 60 Cel A A 4.86 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 40 Cel • at 50 Cel • at 50 Cel • at 50 Cel • at 60 Cel • at 60 Cel • A 4.86	Operational voltage Um		-
Rated service short-circuit breaking capacity Icu 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 55 Cel • at 60 Cel • at 60 Cel	rated current In		-
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 55 Cel • at 60 Cel • at 60 Cel	Rated make-break capacity Icn		-
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 • at 60 Cel	Rated service short-circuit breaking capacity lcs		-
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 40 Cel • at 45 Cel • at 50 Cel • at 50 Cel • at 60 Cel A 4.86 • at 60 Cel	Rated ultimate short-circuit breaking capacity Icu		-
(x In) rated current In IEC, DIN/VDE Tripping characteristic/-class Test current I4, hold (x In) - rated current In / IEC, DIN/VDE A 6 • at 30 Cel A 5.64 • at 40 Cel A 5.46 • at 45 Cel A 5.22 • at 50 Cel A 4.86 • at 60 Cel A 4.86 • at 60 Cel A 4.86	Tripping characteristics Number		-
Tripping characteristic/-class Test current I4, hold (x In) -			-
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 at 30 Cel at 40 Cel at 45 Cel at 50 Cel at 55 Cel at 60 Cel A 4.86 A 4.86 A 4.86 	Tripping characteristic/-class Test current I4, hold (x In)		-
• at 40 Cel • at 45 Cel • at 50 Cel • at 50 Cel • at 50 Cel • at 60 Cel A 5.64 A 5.46 A 5.22 A 4.86	rated current In / IEC, DIN/VDE		
 at 45 Cel at 50 Cel at 55 Cel at 60 Cel A 5.46 A 5.22 A 4.86 A 4.86 	• at 30 Cel	Α	6
• at 50 Cel A 5.22 • at 55 Cel A 4.86 • at 60 Cel A 4.86	• at 40 Cel	Α	5.64
• at 55 Cel A 4.86 • at 60 Cel A 4.86	• at 45 Cel	Α	5.46
• at 60 Cel A 4.86	• at 50 Cel	Α	5.22
	• at 55 Cel	А	4.86
Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine	• at 60 Cel	Α	4.86
	Resistance against shock / according to IEC 60068-2-27		150m/s² at 11ms half-sine

Certificates/approvals:

General Product Approval



<u>IMQ</u>

ROSTEST



Shipping Approval







GI





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,...)

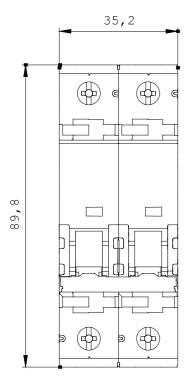
http://support.automation.siemens.com/WW/view/en/5SY4506-7/all

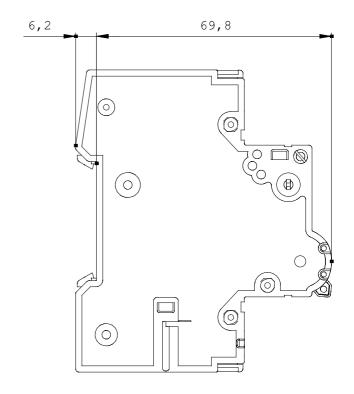
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4506-7

CAx-Online-Generator

http://www.siemens.com/cax





last change: Nov 3, 2011