SIEMENS

Product data sheet 5SY4640-7



CIRCUIT BREAKER 400V 10KA, 3+N-POLE, C, 40A, 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		4	
Number of pitch units for width		4	
Product function / n-switching		Yes	
Supply voltage frequency / rated value	Hz	50	
Switching capacity current / in accordance with IEC 60947-2 / rated value	kA	15	
Breaking capacity current / acc. to EN 60898 / rated value	kA	10	
Supply voltage / for AC / rated value	V	400	
Current / for AC / rated value	А	40	
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 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 40 Cel • at 45 Cel • at 55 Cel • at 55 Cel • at 60 Cel 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 12, (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 40 Cel • at 50 Cel • at 55 Cel • at 60 Cel A 34.8	Operational voltage Um		-
Rated service short-circuit breaking capacity lcu Rated ultimate short-circuit breaking capacity lcu Tripping characteristics Number 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 55 Cel • at 55 Cel • at 60 Cel A 34.8	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 A 34.8	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 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 34.8	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 40 • at 30 Cel A 38.4 • at 40 Cel A 37.6 • at 45 Cel A 36.8 • at 50 Cel A 35.6 • at 60 Cel A 34.8	Tripping characteristics Number		-
Tripping characteristic/-class Test current I4, hold (x In) -			-
rated current In / IEC, DIN/VDE • at 30 Cel A 40 • at 40 Cel A 38.4 • at 45 Cel A 37.6 • at 50 Cel A 36.8 • at 55 Cel A 35.6 • at 60 Cel A 34.8	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 40 A 38.4 A 37.6 A 36.8 A 35.6 A 35.6 A 34.8 	Tripping characteristic/-class Test current I4, hold (x In)		-
• at 40 Cel • at 45 Cel • at 50 Cel • at 55 Cel • at 60 Cel A 38.4 A 37.6 A 36.8 A 35.6 A 34.8	rated current In / IEC, DIN/VDE		
 at 45 Cel at 50 Cel at 55 Cel at 60 Cel A 37.6 A 36.8 A 35.6 A 34.8	• at 30 Cel	Α	40
• at 50 Cel	• at 40 Cel	Α	38.4
• at 55 Cel A 35.6 • at 60 Cel A 34.8	• at 45 Cel	Α	37.6
• at 60 Cel A 34.8	• at 50 Cel	Α	36.8
	• at 55 Cel	А	35.6
Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine	• at 60 Cel	А	34.8
	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







GL





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,...)

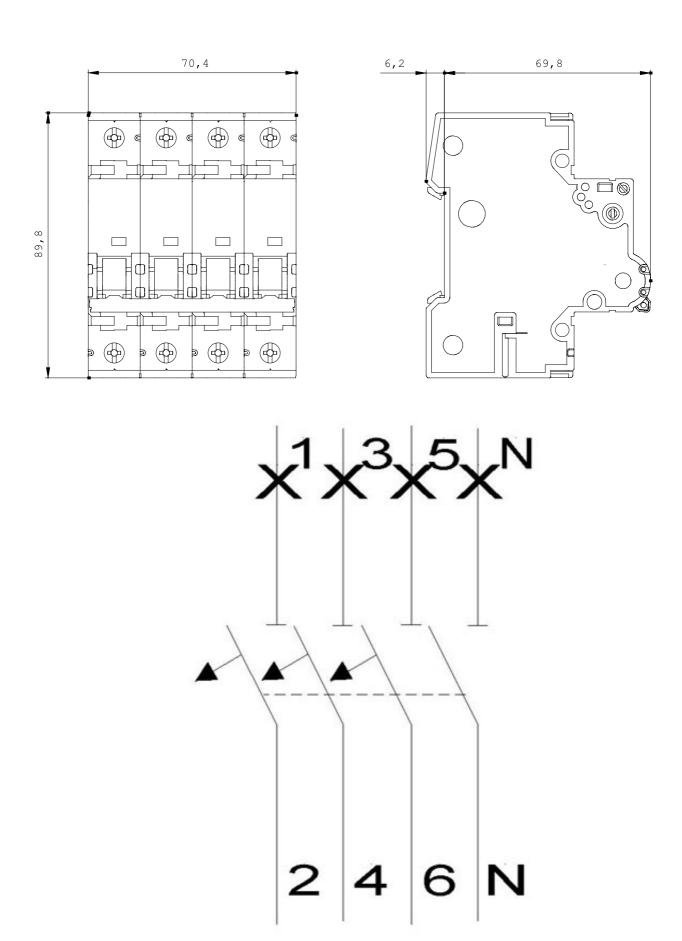
http://support.automation.siemens.com/WW/view/en/5SY4640-7/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4640-7

CAx-Online-Generator

http://www.siemens.com/cax



last change: Nov 3, 2011