# **SIEMENS**

Product data sheet 5SY4620-8



CIRCUIT BREAKER 400V 10KA, 3+N-POLE, D, 20A, 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		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	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	20	
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  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 17.4  • at 60 Cel			
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 17.4  • at 60 Cel	Operational voltage Um		-
Rated service short-circuit breaking capacity lcs  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 17.4  • 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 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 50 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 55 Cel  • at 55 Cel  • at 60 Cel  A 17	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 45 Cel  • at 50 Cel  • at 55 Cel  • at 60 Cel  - A 17.4  • at 60 Cel	Rated ultimate short-circuit breaking capacity Icu		-
(x In)       -         rated current In IEC, DIN/VDE         • at 30 Cel       A       20         • at 40 Cel       A       19         • at 45 Cel       A       18.6         • at 50 Cel       A       18         • at 60 Cel       A       17.4         • at 60 Cel       A       17	Tripping characteristics Number		-
Tripping characteristic/-class Test current I4, hold (x In)       -         rated current In / IEC, DIN/VDE       A       20         • at 30 Cel       A       19         • at 40 Cel       A       18.6         • at 45 Cel       A       18         • at 50 Cel       A       17.4         • at 60 Cel       A       17			-
rated current In / IEC, DIN/VDE         • at 30 Cel       A       20         • at 40 Cel       A       19         • at 45 Cel       A       18.6         • at 50 Cel       A       18         • at 55 Cel       A       17.4         • at 60 Cel       A       17	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 A 19 A 18 A 18 A 17	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 19  A 18.6  A 18  A 17	rated current In / IEC, DIN/VDE		
• at 45 Cel  • at 50 Cel  • at 55 Cel  • at 60 Cel  A 18.6  A 18  A 17.4  A 17	• at 30 Cel	Α	20
• at 50 Cel A 18 • at 55 Cel A 17.4 • at 60 Cel A 17	• at 40 Cel	Α	19
• at 55 Cel A 17.4 • at 60 Cel A 17	• at 45 Cel	Α	18.6
• at 60 Cel A 17	• at 50 Cel	Α	18
	• at 55 Cel	А	17.4
	• at 60 Cel	А	17
Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine	Resistance against shock / according to IEC 60068-2-27		150m/s² at 11ms half-sine

## Certificates/approvals:

#### **General Product Approval**



**IMQ** 

**ROSTEST** 



**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,...)

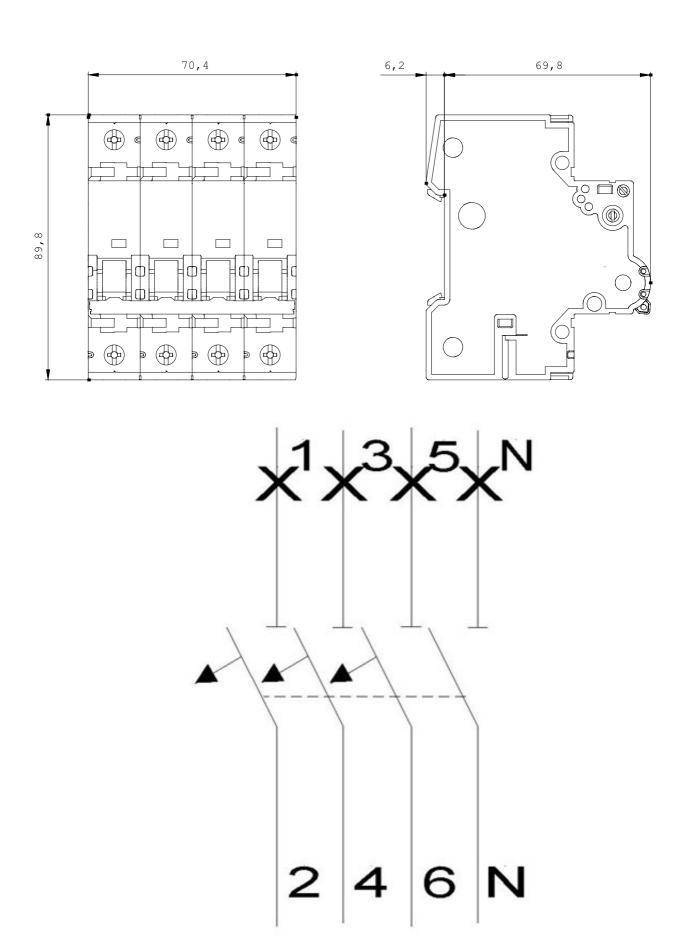
http://support.automation.siemens.com/WW/view/en/5SY4620-8/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SY4620-8

#### **CAx-Online-Generator**

http://www.siemens.com/cax



last change: Nov 3, 2011