## **SIEMENS**

Product data sheet 5SY7610-7



CIRCUIT BREAKER 400V 15KA, 3+N-POLE, C, 10A, 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	30	
Breaking capacity current / acc. to EN 60898 / rated value	kA	15	
Supply voltage / for AC / rated value	V	400	
Current / for AC / rated value	А	10	
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       A         • at 30 Cel       A       10         • at 40 Cel       A       9.4         • at 45 Cel       A       9.1         • at 55 Cel       A       8.7         • at 55 Cel       A       8.1         • at 60 Cel       A       8.1         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 55 Cel • at 60 Cel • at 60 Cel  A 8.1	Operational voltage Um		-
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 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 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 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 • 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 8.1	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 10         • at 30 Cel       A 9.4         • at 40 Cel       A 9.4         • at 45 Cel       A 9.1         • at 50 Cel       A 8.7         • at 55 Cel       A 8.1         • at 60 Cel       A 8.1	Tripping characteristics Number		-
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  8.1	rated current In IEC, DIN/VDE		-
<ul> <li>at 30 Cel</li> <li>at 40 Cel</li> <li>at 45 Cel</li> <li>at 50 Cel</li> <li>at 55 Cel</li> <li>at 60 Cel</li> </ul> <ul> <li>A 10</li> <li>A 9.4</li> <li>A 9.1</li> <li>A 8.7</li> <li>A 8.1</li> <li>A 8.1</li> </ul>	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  9.4  A  9.1  A  8.7  A  8.1	rated current In / IEC, DIN/VDE		
<ul> <li>at 45 Cel</li> <li>at 50 Cel</li> <li>at 55 Cel</li> <li>at 60 Cel</li> </ul> A 9.1 A 8.7 A 8.1 A 8.1	• at 30 Cel	Α	10
• at 50 Cel  • at 55 Cel  • at 60 Cel  A 8.7  A 8.1  A 8.1	• at 40 Cel	Α	9.4
• at 55 Cel A 8.1 • at 60 Cel A 8.1	• at 45 Cel	Α	9.1
• at 60 Cel A 8.1	• at 50 Cel	Α	8.7
	• at 55 Cel	А	8.1
Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine	• at 60 Cel	Α	8.1
	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,...)

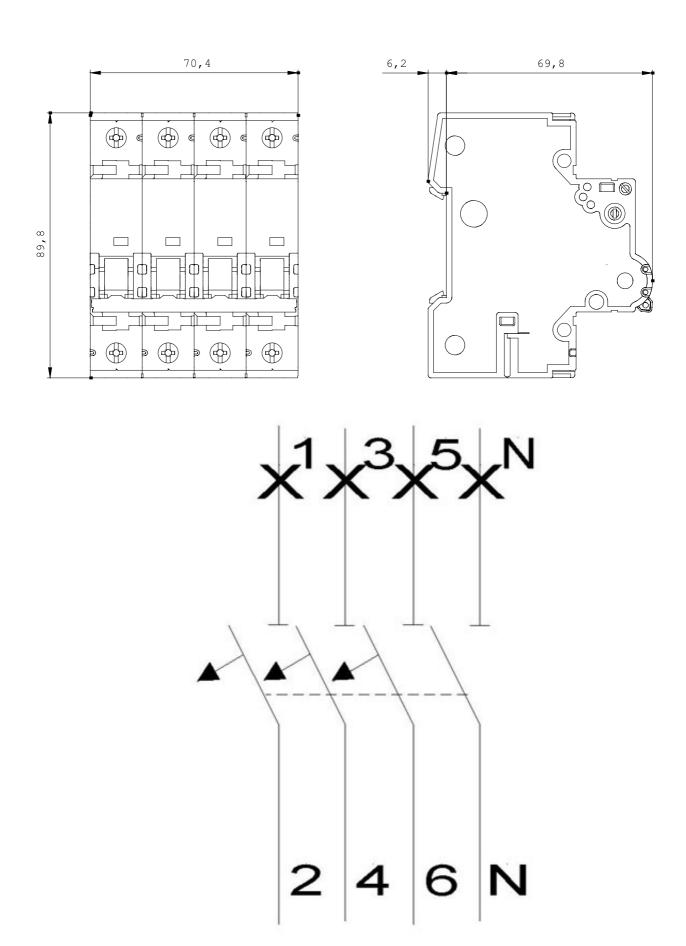
http://support.automation.siemens.com/WW/view/en/5SY7610-7/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SY7610-7

**CAx-Online-Generator** 

http://www.siemens.com/cax



last change: Nov 3, 2011