SIEMENS

Product data sheet 5SY8601-8



CIRCUIT BREAKER 400V 25KA, 3+N-POLE, D, 1A, D=70M

Similar to image

Technical data:			
Type of mounting		Quick assembly system	
type of voltage		AC/DC	
Height	mm	90	
Width	mm	72	
Depth	mm	76	
mounting position		any	
Mounting depth	mm	70	
Current / for AC / rated value	Α	1	
Tripping characteristic class		D	
Supply voltage			
• for AC / rated value	V	400	
• with multi-phase operation / with AC / rated value	V	400	
Switching capacity current			
• in accordance with IEC 60947-2 / rated value	kA	70	
• with DC / in accordance with IEC 60947-2 / rated value	kA	15	
Breaking capacity short-circuit current (Icn)			
• with AC / in accordance with UL 1077 and CSA C22.2 No.235	kA	5	

Active power loss / at rated value current / with AC / in warm operating state / per pole Number of pitch units for width Product feature / sealable Degree of pollution Ambient temperature - during storage - C		_	
Product feature / sealable Degree of pollution Ambient temperature - during storage Position / of power supply cord Product property / properties for main switches in accordance with EN 60204-1 Mechanical operating cycles as operating time / typical Overvoltage class Resistance against shock / according to IEC 60068-2-27 Insulation voltage - with multi-phase operation / with AC / rated value AWG number - sa encoded connectable conductor cross-section Section de conducteur raccordable - solid - insultibrin - in		W	1
Degree of pollution Ambient temperature Ambient temperature during storage Postlion / of power supply cord Product property / properties for main switches in accordance with EX 60204-1 Mechanical operating cycles as operating time / typical Deveroltage class Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage with multi-phase operation / with AC / rated value V 440 Wed MWG number as an encoded connectable conductor cross-section Product explained a solid mm² 0.75 35 Product component combined terminal bottom Product component combined terminal bottom Pyes Tightening torque with screw-type terminals N-m 2.5 3 Tightening torque (Ibf-In) with screw connection Product feature [not supplied - silicon-free] [not supplied - silicon-f	Number of pitch units for width		4
Ambient temperature - during storage **C	Product feature / sealable		Yes
Ambient temperature - during storage **C -40 +75 Position / of power supply cord Product property / properties for main switches in accordance with EK 60204-1 Mechanical operating cycles as operating time / typical Overvoltage class Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage - with multi-phase operation / with AC / rated value **With multi-phase operation / with AC / rated value **With multi-phase operation / with AC / rated value **With multi-phase operation / with AC / rated value **With multi-phase operation / with AC / rated value **With multi-phase operation / with AC / rated value **With standed on onducteur raccordable - solid	Degree of pollution		3
- during storage Position / of power supply cord Product property / properties for main switches in accordance with EN 60204-1 Mechanical operating cycles as operating time / typical Ocervoltage class Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage • with multi-phase operation / with AC / rated value AWG number • as encoded connectable conductor cross-section Section de conducteur raccordable • solid • multibrin • multibrin • multibrin • finely stranded • with wire end processing Product component • combined terminal bottom Tightening torque • with screw-type terminals Tightening torque (Ibf-In) • with screw-type terminals Tightening torque (Ibf-In) • with screw-connection Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Ambient temperature	°C	-25 +55
Position / of power supply cord Product property / properties for main switches in accordance with EN 60204-1 Mechanical operating cycles as operating time / typical Overvoltage class 3 Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage • with multi-phase operation / with AC / rated value AWG number • as encoded connectable conductor cross-section Section de conducteur raccordable • solid • mm² • 0.75 35 • mm² • 0.75 35 • mm² • 0.75 25 Product component • combined terminal top • combined terminal top • combined terminal bottom Tightening torque • with screw-type terminals Tightening torque (Ibf-in) • with screw connection Product feature • [not supplied - silicon-free] • [not supplied - silicon-free] • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Ambient temperature		
Product property / properties for main switches in accordance with EN 60204-1 Mechanical operating cycles as operating time / typical Overvoltage class 3 Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage • with multi-phase operation / with AC / rated value AWG number • as encoded connectable conductor cross-section Section de conducteur raccordable • solid • mm² 0.75 35 • mm² 0.75 35 • mm² 0.75 25 Product component • combined terminal top • combined terminal bottom Tightening torque • with screw-type terminals Tightening torque (Ibf-in) • with screw connection Product feature • [not supplied - silicon-free] • [nat supplied - silicon-free]	during storage	°C	-40 +7 5
Mechanical operating cycles as operating time / typical 20,000 Overvoltage class 3 Product equipment / touch-protection Yes Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine Insulation voltage • with multi-phase operation / with AC / rated value V 440 AWG number • as encoded connectable conductor cross-section 14 4 Section de conducteur raccordable • solid mm² 0.75 35 • multibrin mm² 0.75 35 • finely stranded • with wire end processing mm² 0.75 25 Product component • combined terminal top • combined terminal bottom Yes Tightening torque • with screw-type terminals N-m 2.5 3 Tightening torque (lbf-in) • with screw connection lbf-in 22 26 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Position / of power supply cord		Any
Overvoltage class Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage • with multi-phase operation / with AC / rated value AWG number • as encoded connectable conductor cross-section Section de conducteur raccordable • solid • mm² • \(\text{or} \)			Yes
Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage • with multi-phase operation / with AC / rated value V 440 AWG number • as encoded connectable conductor cross-section 14 4 Section de conducteur raccordable • solid • mm² 0.75 35 • multibrin • finely stranded • with wire end processing Product component • combined terminal top • combined terminal top • combined terminal bottom Tightening torque • with screw-type terminals N·m 2.5 3 Tightening torque (lbf-in) • with screw connection Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Mechanical operating cycles as operating time / typical		20,000
Resistance against shock / according to IEC 60068-2-27 Insulation voltage • with multi-phase operation / with AC / rated value V 440 AWG number • as encoded connectable conductor cross-section 14 4 Section de conducteur raccordable • solid • mm² 0.75 35 • multibrin • mm² 0.75 35 • finely stranded • with wire end processing Product component • combined terminal top • combined terminal bottom Tightening torque • with screw-type terminals Tightening torque (Ibf-in) • with screw connection Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Overvoltage class		3
Insulation voltage • with multi-phase operation / with AC / rated value V 440 AWG number • as encoded connectable conductor cross-section 14 4 Section de conducteur raccordable • solid • solid • mm² 0.75 35 • multibrin • finely stranded • with wire end processing mm² 0.75 25 Product component • combined terminal top • combined terminal bottom Tightening torque • with screw-type terminals N·m 2.5 3 Tightening torque (lbf-in) • with screw connection Ibf-in 22 26 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Product equipment / touch-protection		Yes
with multi-phase operation / with AC / rated value AWG number as encoded connectable conductor cross-section 14 4 Section de conducteur raccordable solid solid mm² 0.75 35 mml² 0.75 35 finely stranded with wire end processing Product component combined terminal top combined terminal bottom Tightening torque with screw-type terminals N-m 2.5 3 Tightening torque (Ibf-in) with screw connection Ibf-in 22 26 Product feature [not supplied - silicon-free] halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Resistance against shock / according to IEC 60068-2-27		150m/s² at 11ms half-sine
AWG number • as encoded connectable conductor cross-section 14 4 Section de conducteur raccordable • solid • mm² 0.75 35 • multibrin • mm² 0.75 35 • mm² 0.75 35 Product component • combined terminal top • combined terminal bottom Tightening torque • with screw-type terminals N·m 2.5 3 Tightening torque (Ibf-in) • with screw connection Ibf-in 22 26 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Insulation voltage		
* as encoded connectable conductor cross-section Section de conducteur raccordable * solid * solid * mm²	• with multi-phase operation / with AC / rated value	V	440
Section de conducteur raccordable • solid • multibrin • mm² 0.75 35 mm² 0.75 35 * milliphy stranded • with wire end processing * mm² 0.75 25 Product component • combined terminal top • combined terminal bottom * Yes Tightening torque • with screw-type terminals * N-m 2.5 3 Tightening torque (Ibf-in) • with screw connection * Ibf-in * Yes Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	AWG number		
* solid * multibrin * mm² * nultibrin * mm² * 0.75 35 * multibrin * mm² * 0.75 35 * mm² * 0.75 35 Product component * combined terminal top * combined terminal bottom * Yes * combined terminal bottom Tightening torque * with screw-type terminals N·m 2.5 3 Tightening torque (lbf-in) * with screw connection Ibf-in 22 26 Product feature * [not supplied - silicon-free] * halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	as encoded connectable conductor cross-section		14 4
• multibrin • finely stranded • with wire end processing mm² 0.75 25 Product component • combined terminal top • combined terminal bottom Tightening torque • with screw-type terminals N·m 2.5 3 Tightening torque (lbf-in) • with screw connection Ibf-in 22 26 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Section de conducteur raccordable		
• finely stranded • with wire end processing Product component • combined terminal top • combined terminal bottom Tightening torque • with screw-type terminals N·m 2.5 3 Tightening torque (lbf-in) • with screw connection Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 wind 20.75 25 Yes Yes Ves 4. 6	• solid	mm²	0.75 35
 with wire end processing Product component combined terminal top combined terminal bottom Tightening torque with screw-type terminals N·m 2.5 3 Tightening torque (lbf-in) with screw connection Ibf-in 22 26 Product feature [not supplied - silicon-free] halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 	• multibrin	mm²	0.75 35
Product component	• finely stranded		
• combined terminal top • combined terminal bottom Tightening torque • with screw-type terminals N·m 2.5 3 Tightening torque (lbf-in) • with screw connection Ibf-in 22 26 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	with wire end processing	mm²	0.75 25
• combined terminal bottom Tightening torque • with screw-type terminals N·m 2.5 3 Tightening torque (lbf-in) • with screw connection lbf-in 22 26 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Yes	Product component		
Tightening torque • with screw-type terminals N-m 2.5 3 Tightening torque (lbf-in) • with screw connection lbf-in 22 26 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	combined terminal top		Yes
with screw-type terminals N·m 2.5 3 Tightening torque (lbf-in) with screw connection lbf-in 22 26 Product feature [not supplied - silicon-free]	combined terminal bottom		Yes
Tightening torque (lbf-in) • with screw connection lbf-in 22 26 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Tightening torque		
with screw connection Ibf-in 22 26 Product feature	with screw-type terminals	N⋅m	2.5 3
Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Yes 6	Tightening torque (lbf-in)		
• [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Yes Yes 6	with screw connection	lbf-in	22 26
• halogen-free Yes Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 6	Product feature		
Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30	• [not supplied - silicon-free]		Yes
accordance with IEC 60068-2-30	halogen-free		Yes
Item designation / according to DIN EN 61346-2			6
	Item designation / according to DIN EN 61346-2		F

Certificates/approvals:

General Product Approval

Declaration of Conformity

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,...)

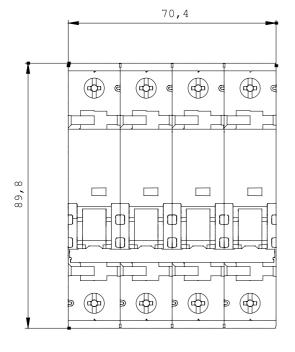
http://support.automation.siemens.com/WW/view/en/5SY8601-8/all

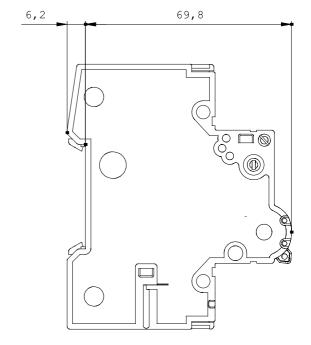
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY8601-8

CAx-Online-Generator

http://www.siemens.com/cax





last change:

Dec 31, 2012