



CIRCUIT BREAKER 230V 10KA, 1+N-POLE, A,
25A, D=70MM

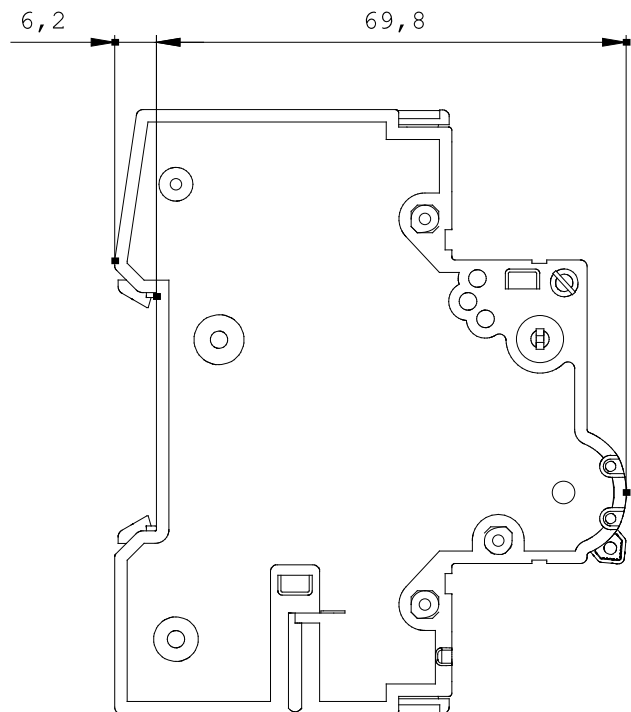
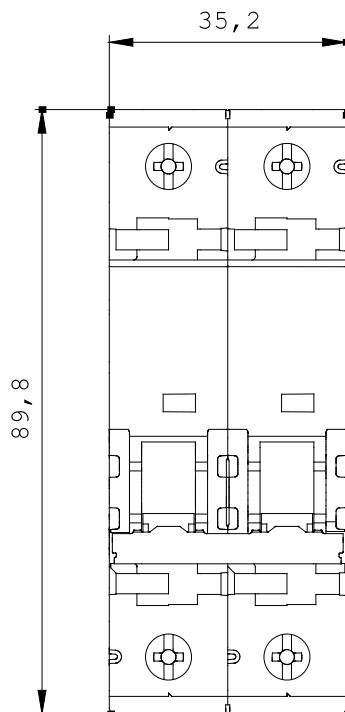
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Technical data:

Type of mounting		Quick assembly system
type of voltage		AC/DC
Height	mm	90
Width	mm	36
Depth	mm	76
mounting position		any
Mounting depth	mm	70
Current / for AC / rated value	A	25
Tripping characteristic class		A
Supply voltage		
• for AC / rated value	V	230
• with single-phase operation / with AC / rated value	V	230
Switching capacity current		
• in accordance with IEC 60947-2 / rated value	kA	20
• with DC / in accordance with IEC 60947-2 / rated value	kA	15
• acc. to EN 60898 / rated value	kA	10
Breaking capacity short-circuit current (Icn)		
• with DC / in accordance with EN 60898-2	kA	10

• 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	W	3.5
Number of pitch units for width		2
Product feature / sealable		Yes
Degree of pollution		3
Ambient temperature	°C	-25 ... +55
Ambient temperature • during storage	°C	-40 ... +75
Position / of power supply cord		Any
Product property / properties for main switches in accordance with EN 60204-1		Yes
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/s ² at 11ms half-sine
Insulation voltage • with single-phase operation / with AC / rated value	V	250
AWG number • as encoded connectable conductor cross-section		14 ... 4
Section de conducteur raccordable • solid • multibrin • finely stranded • with wire end processing	mm ² mm ² mm ²	0.75 ... 35 0.75 ... 35 0.75 ... 25
Product component • combined terminal top • combined terminal bottom		Yes 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		Yes Yes
Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30		6
Item designation / according to DIN EN 61346-2		F

Certificates/approvals:

General Product Approval**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/5SY4525-5/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4525-5**CAX-Online-Generator**<http://www.siemens.com/cax>**last change:**

Dec 31, 2012