



CIRCUIT BREAKER 400V 10KA, 2-POLE, B,
100A, D=70MM

General technical data:		
Type of mounting		Standard mounting rail and screw fixing
mounting position		any
Mounting depth	mm	70
Height	mm	90
Width	mm	54
Depth	mm	76
Current / for AC / rated value	A	100
Tripping characteristic class		B
type of voltage		AC/DC
Number of pitch units for width		3
Product feature / sealable		Yes
Degree of pollution		3
Supply voltage		
• for AC / rated value	V	400
• with multi-phase operation / with AC / rated value	V	400
Number of poles		2
Number of poles /note		2P
Switching capacity current		
• in accordance with IEC 60947-2 / rated value	kA	10

<ul style="list-style-type: none"> • with DC / in accordance with IEC 60947-2 / rated value 	kA	15
<ul style="list-style-type: none"> • acc. to EN 60898 / rated value 	kA	10
Breaking capacity short-circuit current (Icn)		
<ul style="list-style-type: none"> • with DC / in accordance with EN 60898-2 	kA	10
<ul style="list-style-type: none"> • with AC / in accordance with UL 1077 and CSA C22.2 No.235 	kA	5
Ambient temperature	°C	-25 ... +55
Ambient temperature		
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • for AC / rated value 	V	440
AWG number		
<ul style="list-style-type: none"> • as encoded connectable conductor cross-section 		14 ... 2
Section de conducteur raccordable		
<ul style="list-style-type: none"> • solid 	mm ²	4 ... 50
<ul style="list-style-type: none"> • multibrin 	mm ²	4 ... 50
<ul style="list-style-type: none"> • finely stranded 		
<ul style="list-style-type: none"> • with wire end processing 	mm ²	1.5 ... 35
Product component		
<ul style="list-style-type: none"> • tunnel terminals top 		Yes
<ul style="list-style-type: none"> • tunnel terminals bottom 		Yes
Tightening torque		
<ul style="list-style-type: none"> • with screw-type terminals 	N·m	2.5 ... 3.5
Tightening torque (lbf-in)		
<ul style="list-style-type: none"> • with screw connection 	lbf-in	22 ... 31
Product feature		
<ul style="list-style-type: none"> • [not supplied - silicon-free] 		Yes
<ul style="list-style-type: none"> • halogen-free 		Yes
Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30		6
Item designation		
<ul style="list-style-type: none"> • according to DIN EN 61346-2 		F
<ul style="list-style-type: none"> • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		F

Certificates/approvals:

General Product Approval



CCC



CEBEC



GOST



UL



VDE



EG-Konf.

Test Certificates

[Special Test Certificate](#)

Shipping Approval



GL



LRS

other

[other](#)

Declaration of Conformity

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,...)

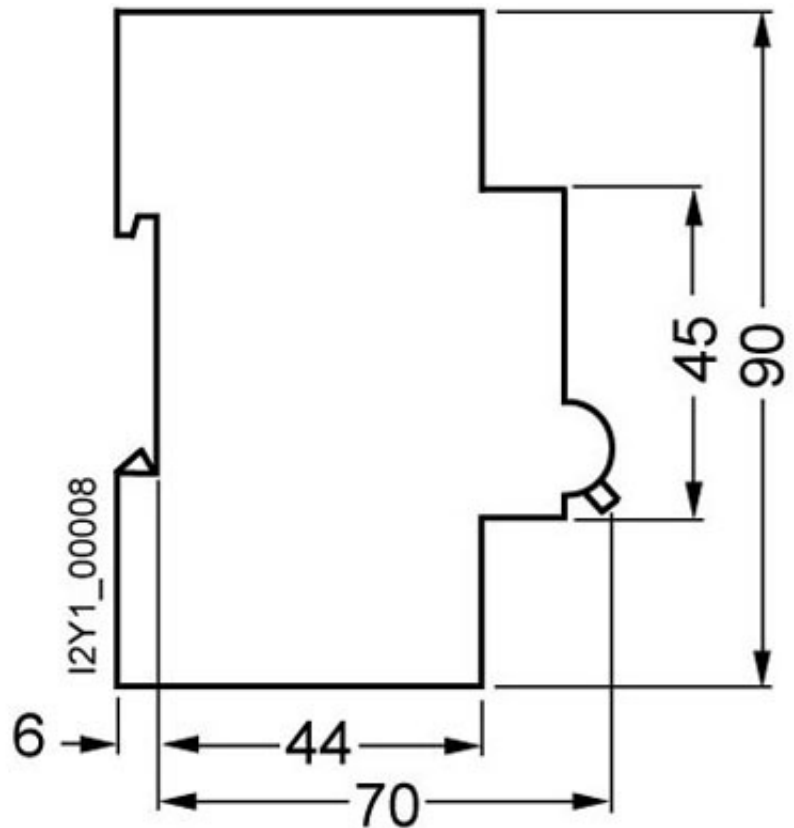
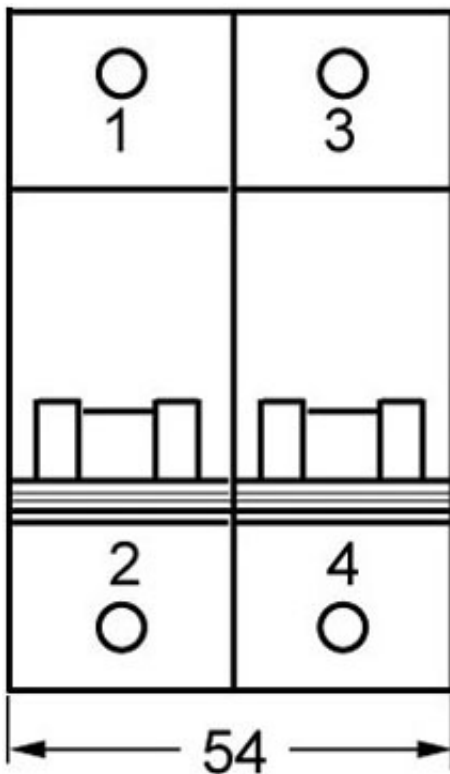
<http://support.automation.siemens.com/WW/view/en/5SP4291-6/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP4291-6

CAX-Online-Generator

<http://www.siemens.com/cax>



last change:

Dec 17, 2012