



Device circuit breaker 1-pole with auxiliary switch NO contact Characteristic F2 10A 230 V AC 50/60 Hz 60 V DC Icn 3 kA AC according to IEC 60934

Model	
product brand name	SENTRON
product designation	Device protection switch
General technical data	
number of poles	1
design of pole	1P+AS
tripping characteristic class	F2
mechanical service life (operating cycles) typical	6 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC/DC
insulation voltage (Ui)	
• at DC rated value	72 V
• with single-phase operation at AC rated value	250 V
Supply voltage	
supply voltage	
• at AC rated value	230 V
• at DC rated value	60 V
value range of the supply voltage frequency	50/60 Hz
operating voltage at DC rated value maximum	72 V
Protection class	
protection class IP	IP20
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	2 W
Product details	
product component	
• combined terminal top	No
• combined terminal bottom	No
• neutral conductor switching	No
product feature	
• properties for main switches in accordance with EN 60204-1	Yes
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension installable supplementary devices	Yes
Connections	
connectable conductor cross-section solid	

<ul style="list-style-type: none"> • minimum • maximum 	0.5 mm ² 16 mm ²
connectable conductor cross-section stranded	
<ul style="list-style-type: none"> • minimum • maximum 	0.5 mm ² 16 mm ²
connectable conductor cross-section finely stranded with core end processing	
<ul style="list-style-type: none"> • minimum • maximum 	0.5 mm ² 10 mm ²
AWG number as coded connectable conductor cross section	
<ul style="list-style-type: none"> • minimum • maximum 	20 6
tightening torque [lbf-in] with screw-type terminals	
<ul style="list-style-type: none"> • minimum 	17.7 lbf-in
tightening torque with screw-type terminals	
<ul style="list-style-type: none"> • minimum • maximum 	2 N·m 2.5 N·m
position of power supply cord	Any

Mechanical Design

height	90 mm
width	18 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
fastening method	DIN rail
mounting position	Horizontal/vertical
net weight	107.1 g

Environmental conditions

influence of the surrounding temperature standard	30 °C @ 85%rF; 60 °C @ 20%rF" IEC / DIN EN 60934, UL1077
vibration resistance according to IEC 60068-2-6	Yes
ambient temperature during operation	
<ul style="list-style-type: none"> • minimum • maximum 	-25 °C 60 °C
ambient temperature during storage	
<ul style="list-style-type: none"> • minimum • maximum 	-40 °C 70 °C
number of test cycles for environmental testing according to IEC 60068-2-30	6

General Product Approval

Declaration of Conformity



[Confirmation](#)



Test Certificates

other

Environment

[Miscellaneous](#)

[Miscellaneous](#)

[Confirmation](#)

[Environmental Confirmations](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SY1710-4>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SY1710-4>

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

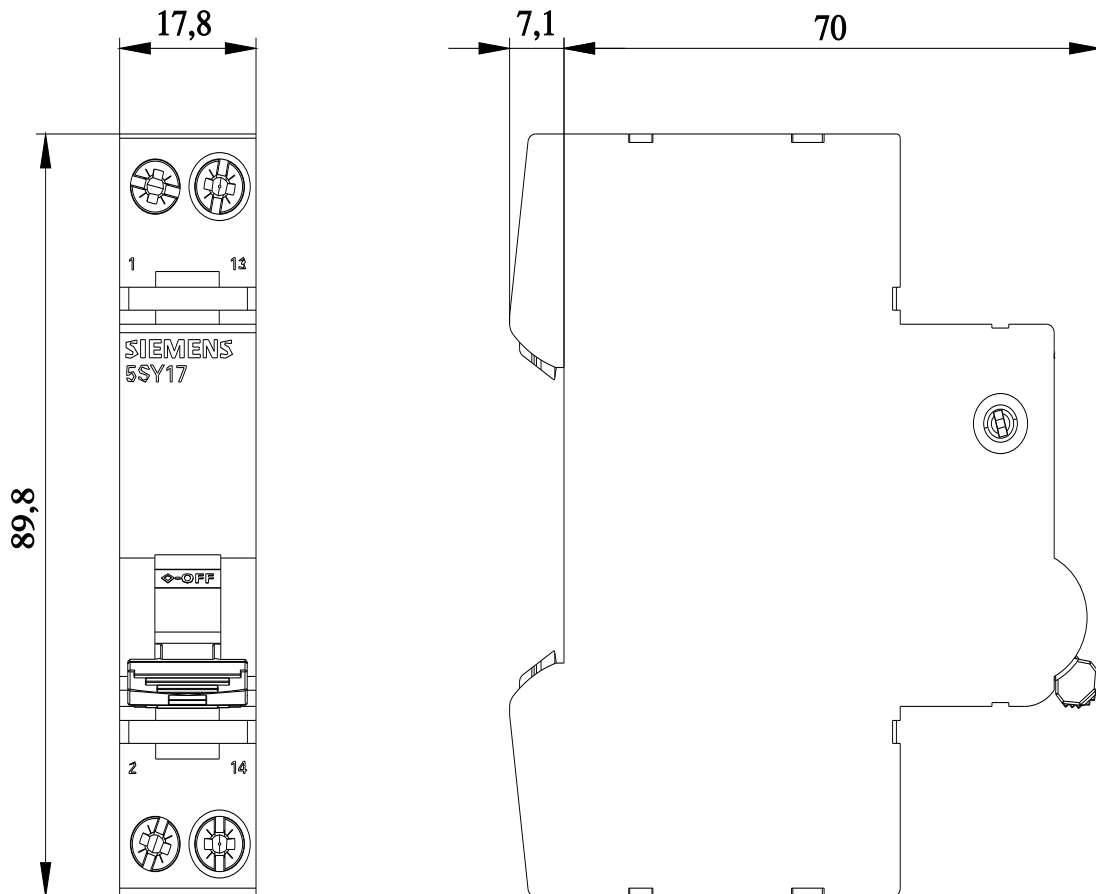
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY1710-4

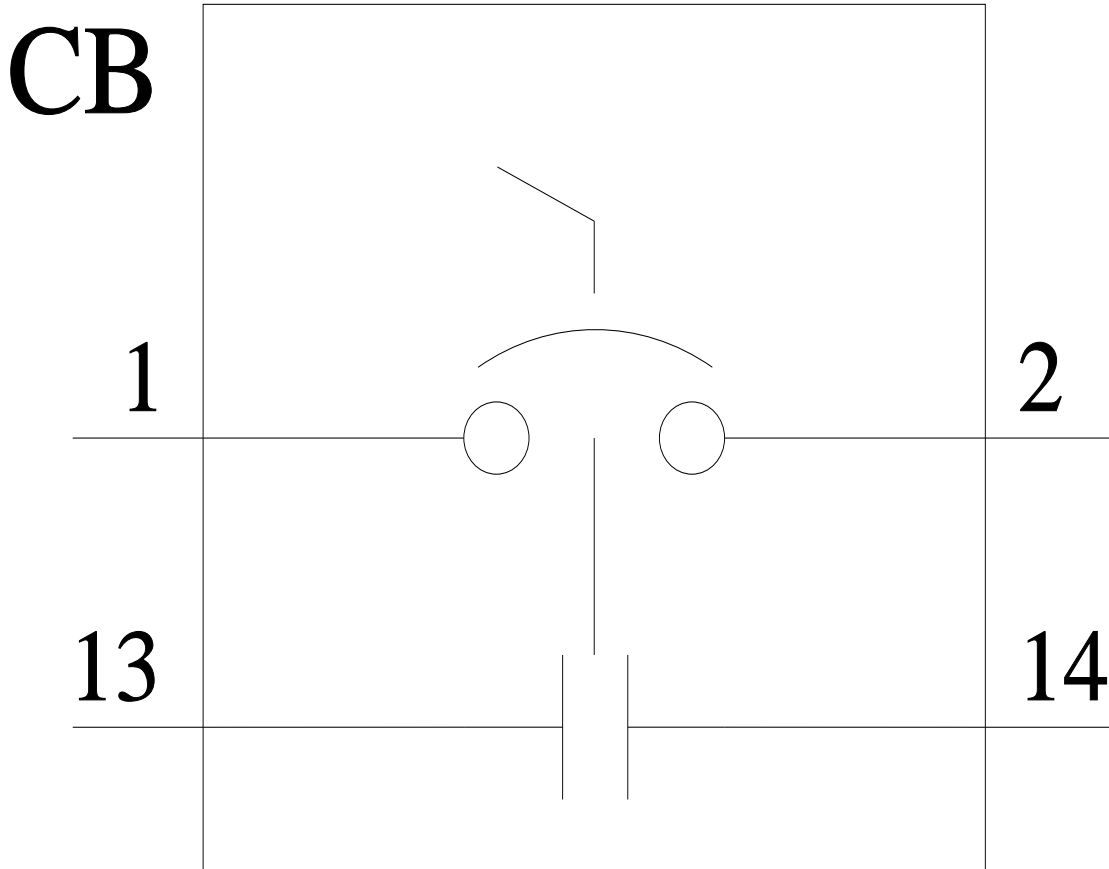
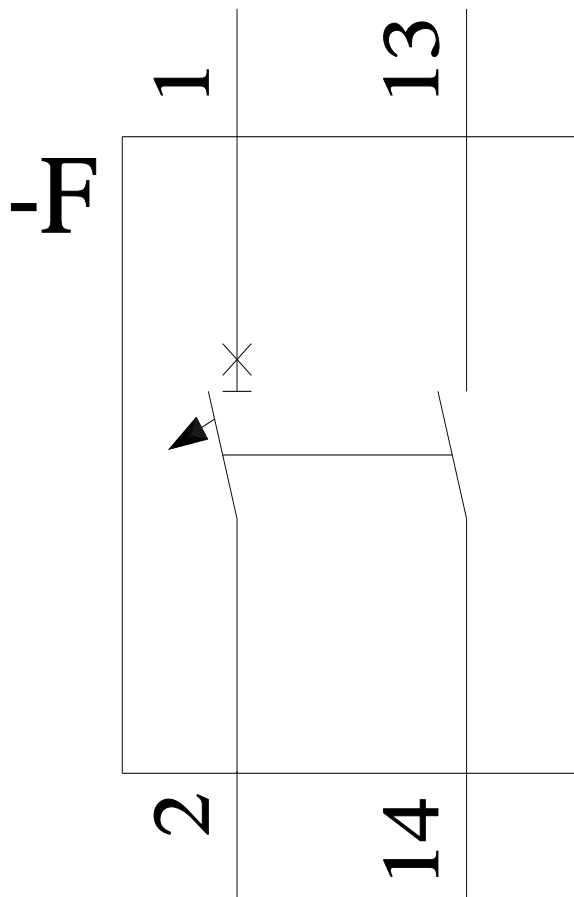
CAX-Online-Generator

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

Tender specifications

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





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