



CIRCUIT BREAKER 230V 10KA, 1+N-POLE, C, 6A, D=70MM

Similar to image

Technical data:

| | | |
|---|----|---------------------------------------|
| Type of mounting | | Quick assembly system |
| mounting position | | any |
| Mounting depth | mm | 70 |
| Height | | - |
| Width | | - |
| Depth | | - |
| Current / for AC / rated value | A | 6 |
| Tripping characteristic class | | C |
| Number of pitch units for width | | 2 |
| Product feature / sealable | | Yes |
| Degree of pollution | | 3 |
| 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 |

| | | |
|--|-----------------|-------|
| type of voltage | | AC/DC |
| • 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 | 35 |
| • 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 (I_{cn}) | | |
| • with DC / in accordance with EN 60898-2 | kA | 10 |
| • with AC / in accordance with UL 10077 and CSA C22.2 No.235 | kA | 5 |
| Ambient temperature | | |
| • minimum | °C | -25 |
| • maximum | °C | 55 |
| • during storage | | |
| • minimum | °C | -40 |
| • maximum | °C | 75 |
| Insulation voltage | | |
| • with single-phase operation / with AC / rated value | V | 250 |
| AWG number / as encoded connectable conductor cross-section | | |
| • minimum | | 14 |
| • maximum | | 4 |
| Conductor cross-section that can be connected | | |
| • solid | | |
| • minimum | mm ² | 0.75 |
| • maximum | mm ² | 35 |
| • multibrin | | |
| • minimum | mm ² | 0.75 |
| • maximum | mm ² | 35 |
| • finely stranded / with wire end processing | | |
| • minimum | mm ² | 0.75 |
| • maximum | mm ² | 25 |
| Product component | | |
| • combined terminal top | | Yes |
| • combined terminal bottom | | Yes |
| Tightening torque / with screw-type terminals | | |
| • minimum | N·m | 2.5 |
| • maximum | N·m | 3 |
| Tightening torque (lbf·in) / with screw connection | | |
| • minimum | lbf·in | 22 |

| | | |
|---|--------|------------|
| <ul style="list-style-type: none"> • maximum | lbf-in | 26 |
| Product feature <ul style="list-style-type: none"> • [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 <ul style="list-style-type: none"> • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 according to IEC 750 | | - - |

Certificates/approvals:

General Product Approval



CCC



GOST



IMQ



VDE

Shipping Approval



DNV



LRS



RINA

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,...)

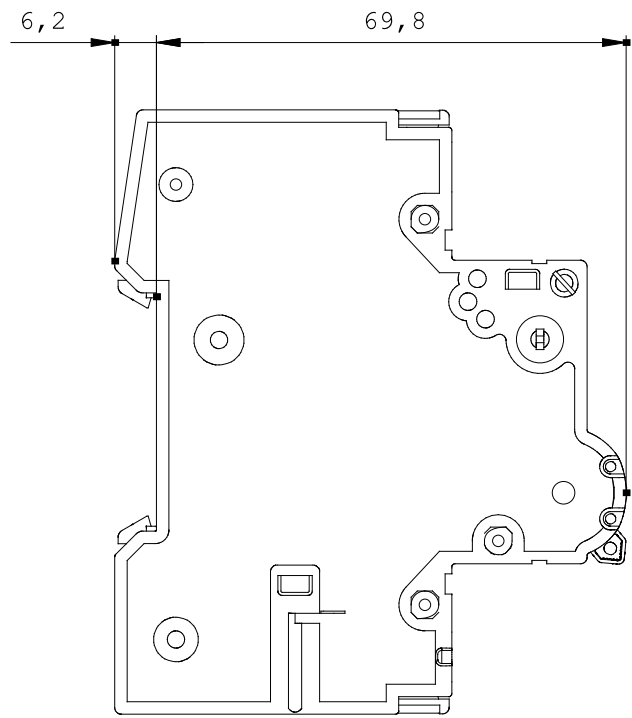
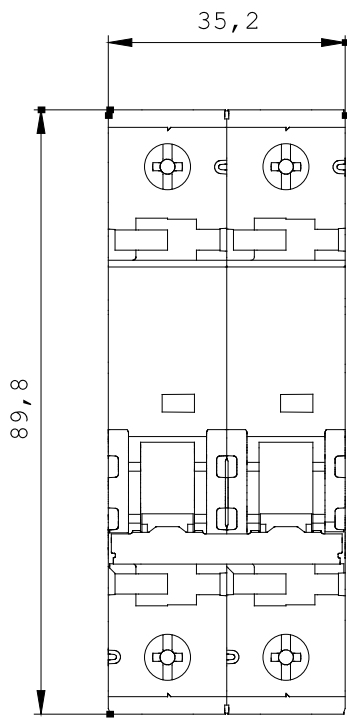
<http://support.automation.siemens.com/WWW/view/en/5SY4506-7/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4506-7

CAX-Online-Generator

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



last change:

Jul 3, 2012