



MAIN CONDUCTOR CIRCUIT-BREAKER (SHU),3X1-POLE,E 50 A,230/400 V FOR MOUNTING ONTO 40MM BUSBAR

Figure similar

| Model | | |
|---|----|---|
| product brand name | | SENTRON |
| Design of the product | | Main miniature circuit breakers |
| Design of the locking device | | Locking slide with lock, additional wire seal, cable ties and Antilux |
| General technical data | | |
| Number of poles | | 3 |
| Number of poles / Note | | 3P |
| Tripping characteristic class | | E |
| circuit-breaker / Design | | 5SP3 |
| Mechanical service life (switching cycles) / typical | | 20 000 |
| Overvoltage category | | IV |
| Voltage | | |
| Insulation voltage / Rated value | V | 690 |
| Surge voltage resistance / Rated value | kV | 6 |
| Supply voltage | | |
| Supply voltage frequency / Rated value | Hz | 50 |
| Protection class | | |
| Protection class IP | | IP40, with connected conductors |
| Switching capacity | | |
| Switching capacity current | | |
| • Rated value | kA | 25 |
| • acc. to EN 60898 / Rated value | kA | 25 |

| Dissipation | | |
|--|-----------------|--|
| Active power loss | | |
| <ul style="list-style-type: none"> • for rated value of the current / with AC / in hot operating state / per pole | W | 8 |
| Electricity | | |
| rated current I _n / IEC, DIN/VDE / at 40 Cel | A | 47.5 |
| Current / with AC / Rated value | A | 50 |
| Main circuit | | |
| Operating voltage / Rated value | | |
| <ul style="list-style-type: none"> • minimum | V | 110 |
| <ul style="list-style-type: none"> • maximum | V | 440 |
| Product details | | |
| Product component | | |
| <ul style="list-style-type: none"> • outgoing feeder via spring-loaded terminal | | Yes |
| <ul style="list-style-type: none"> • Infeed at box terminal | | Yes |
| Product property | | |
| <ul style="list-style-type: none"> • Properties for main switches in accordance with EN 60204-1 | | Yes |
| <ul style="list-style-type: none"> • sealable | | Yes |
| Product function | | |
| Product function / neutral conductor switching | | No |
| Display and operation | | |
| Display version / for switch position indicator | | OFF = green, ON = red |
| Connections | | |
| Connectable conductor cross-section | | |
| <ul style="list-style-type: none"> • of spring-loaded terminal / finely stranded / with core end processing | | |
| — minimum | mm ² | 2.5 |
| — maximum | mm ² | 16 |
| <ul style="list-style-type: none"> • of the box terminal | | |
| — solid / minimum | mm ² | 2.5 |
| — solid / maximum | mm ² | 50 |
| — stranded / minimum | mm ² | 2.5 |
| — stranded / maximum | mm ² | 50 |
| Position / of power supply cord | | Stipulated by installation in the lower section of the meter panel |
| Mechanical Design | | |
| Number of width units | | 4.5 |
| Mounting type | | Busbar |

| | |
|---|--|
| Mounting type / other installation / Note | On 40-mm busbar system in compliance with DIN 43870 Part 2 |
|---|--|

Environmental conditions

| | | |
|--|----|---|
| Shock resistance | | 30 g, at least 3 impacts, impact duration 11 ms |
| Vibration resistance / acc. to IEC 60068-2-6 | | 2 g, 20 frequency cycles 5 to 150 to 15 Hz |
| Ambient temperature | | |
| • minimum | °C | -25 |
| • maximum | °C | 55 |
| • during storage / minimum | °C | -40 |
| • during storage / maximum | °C | 70 |

| | | |
|---------------------------------|----------------------------------|--------------|
| 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)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SP38502>

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

<http://support.automation.siemens.com/WW/view/en/5SP38502/all>

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

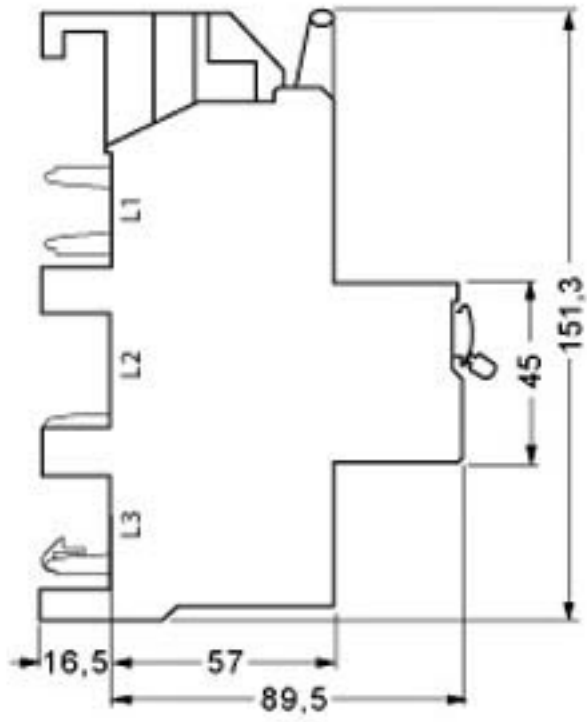
http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SP38502

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



X¹

X³

X⁵

p

p

p

S

S

S

2

4

6

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