



CIRCUIT BREAKER 10KA, 3POLE, D, 20A ACC. TO UL 489 - 480Y/277V

Figure similar

| General technical data | | |
|-----------------------------------------------------------------------------------------|----|----------------------------------------------------------------------|
| Number of poles | | 3 |
| Number of poles / Note | | 3P |
| Tripping characteristic class | | D |
| Installation environment regarding EMC | | Suitable for environment B (immunity to interference not applicable) |
| circuit-breaker / Design | | 5SJ4 |
| Mechanical service life (switching cycles) / typical | | 20 000 |
| Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 | | F |
| Overvoltage category | | 3 |
| Voltage | | |
| Insulation voltage / with AC / Rated value | V | 440 |
| Supply voltage | | |
| Supply voltage frequency / Rated value | Hz | 50 |
| Protection class | | |
| Protection class IP | | IP20, with connected conductors, IP 40 in the handle range |
| Switching capacity | | |
| Switching capacity current | | |
| • acc. to EN 60898 / Rated value | kA | 10 |
| • acc. to IEC 60947-2 / Rated value | kA | 15 |
| Dissipation | | |
| Active power loss | | |

- for rated value of the current / with AC / in hot operating state / per pole

| | |
|---|-----|
| W | 2.2 |
|---|-----|

Electricity

| | | |
|------------------------------------------------|---|----|
| rated current I_n / IEC, DIN/VDE / at 40 Cel | A | 20 |
| Current / with AC / Rated value | A | 20 |

Main circuit

| | | |
|------------------------------------------------------------------------|---|-----|
| Operating voltage | | |
| • minimum | V | 24 |
| • with AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | V | 277 |
| • for DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | V | 60 |
| • for DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | V | 125 |
| • for DC / Rated value / maximum | V | 60 |

Product details

| | | |
|--------------------------------------------------------------|--|-----|
| Product feature / Touch protection | | Yes |
| Product component | | |
| • Tunnel terminals top | | No |
| • Tunnel terminals bottom | | No |
| • combined terminal top | | Yes |
| • combined terminal bottom | | Yes |
| Product property | | |
| • halogen-free | | Yes |
| • sealable | | Yes |
| • silicon-free | | Yes |
| Product expansion / can be installed / supplementary devices | | Yes |

Product function

| | | |
|-------------------------------|--|--------------------------------------------------------------|
| Product function | | |
| • Note | | Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in |
| • neutral conductor switching | | No |

Short circuit

| | | |
|-------------------------------------------------------------------------------------------------------|----|----|
| Breaking capacity short-circuit current (I_{cn}) / with AC / acc. to UL 1077 and CSA C22.2 No.235 | kA | 10 |
|-------------------------------------------------------------------------------------------------------|----|----|

Number

| | | |
|----------------------------------------------------------------------------|--|---|
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 | | 6 |
|----------------------------------------------------------------------------|--|---|

Connections

| | | | |
|----------------------------------------------------------------------------------|-----------|-----------------|------|
| Connectable conductor cross-section / finely stranded / with core end processing | | | |
| | • minimum | mm ² | 0.75 |
| | • maximum | mm ² | 25 |
| Position / of power supply cord | | Any | |

Mechanical Design

| | | |
|-----------------------|----|---------------------------|
| Height | mm | 121 |
| Width | mm | 54 |
| Depth | mm | 76 |
| mounting position | | any |
| Installation depth | mm | 70 |
| Number of width units | | 3 |
| Mounting type | | on standard mounting rail |

Environmental conditions

| | | |
|----------------------------------------------|----|--------------------------------------------------------------------------|
| Influence of the surrounding temperature | | max. 95% humidity |
| Vibration resistance | | 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) |
| Vibration resistance / acc. to IEC 60068-2-6 | | 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) |
| Ambient temperature | | |
| • minimum | °C | -25 |
| • maximum | °C | 55 |
| • during storage / minimum | °C | -40 |
| • during storage / maximum | °C | 75 |

Certificates

| | | |
|--------------------------|--|---|
| Equipment marking | | |
| • acc. to DIN EN 61346-2 | | F |
| • acc. to DIN EN 81346-2 | | F |

General Product Approval



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/5SJ43208HG42>

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

<http://support.automation.siemens.com/WW/view/en/5SJ43208HG42/all>

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

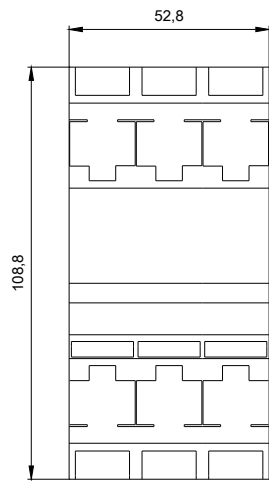
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ43208HG42

CAX-Online-Generator

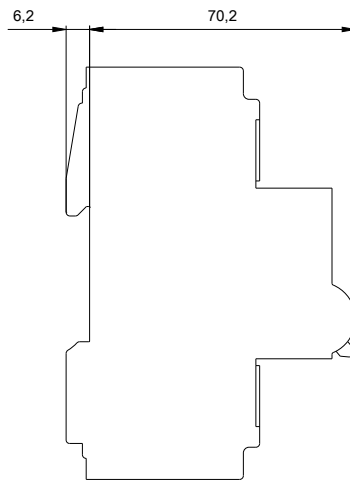
<http://www.siemens.com/cax>

Tender specifications

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



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