

Miniature Circuit Breaker 20A 3-pole K characteristic 15kA

| Model | |
|--|---------------------------------|
| product brand name | Betagard |
| product designation | Miniature circuit breaker |
| General technical data | |
| number of poles | 3 |
| design of pole | 3P |
| tripping characteristic class | K |
| mechanical service life (operating cycles) | |
| • typical | 8 500 |
| overvoltage category | III |
| degree of pollution | 3 |
| Voltage | |
| type of voltage of the operating voltage | AC |
| insulation voltage (Ui) | |
| • with single-phase operation at AC rated value | 440 V |
| • with multi-phase operation at AC rated value | 440 V |
| operational current | |
| • at 30 °C rated value | 22.4 A |
| • at 40 °C rated value | 21.2 A |
| • at 50 °C rated value | 20 A |
| • at 55 °C rated value | 19.4 A |
| • at 60 °C rated value | 18.7 A |
| • at AC rated value | 20 A |
| Supply voltage | |
| supply voltage at AC | 415 V |
| value range of the supply voltage frequency | 50/60 Hz |
| operating voltage | |
| • with multi-phase operation at AC maximum | 440 V |
| • at DC rated value maximum | 72 V |
| Protection class | |
| protection class IP | IP20, with connected conductors |
| Breaking Capacity | |
| switching capacity current | |
| • according to EN 60898 rated value | 15 kA |
| • according to IEC 60947-2 rated value | 15 kA |
| energy limitation class | NA |
| Product details | |
| product feature | |
| • halogen-free | Yes |
| • sealable | Yes |
| • silicon-free | Yes |
| product extension installable supplementary devices | Yes |
| Connections | |
| connectable conductor cross-section solid | |
| • minimum | 0.75 mm ² |
| • maximum | 25 mm ² |
| connectable conductor cross-section stranded | |
| • minimum | 0.75 mm ² |
| • maximum | 25 mm ² |
| connectable conductor cross-section finely stranded with core end processing | |

| | |
|---|----------------------|
| <ul style="list-style-type: none"> • minimum | 0.75 mm ² |
| <ul style="list-style-type: none"> • maximum | 25 mm ² |
| tightening torque with screw-type terminals | |
| <ul style="list-style-type: none"> • minimum | 2.5 N·m |
| <ul style="list-style-type: none"> • maximum | 3 N·m |

Mechanical Design

| | |
|-------------------------------|-------|
| height | 90 mm |
| width | 54 mm |
| depth | 76 mm |
| installation depth | 70 mm |
| number of modular width units | 3 |
| mounting position | any |

Environmental conditions

| | |
|---|-------------------------------------|
| vibration resistance according to IEC 60068-2-6 | 50 m/s ² at 25 to 150 Hz |
| ambient temperature during storage | |
| <ul style="list-style-type: none"> • minimum | -40 °C |
| <ul style="list-style-type: none"> • maximum | 75 °C |

Approvals Certificates

| | | |
|--------------------------|-------------------|-------|
| General Product Approval | Test Certificates | other |
|--------------------------|-------------------|-------|



[Confirmation](#)



[Miscellaneous](#)

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Environment

[Environmental Confirmations](#)

Further information

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=5SL7320-3RC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL7320-3RC>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL7320-3RC

CAX-Online-Generator

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

Tender specifications

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



