

MCB Retail line 4p 6kA 25A C Characteristic

| Model | |
|--|---|
| product brand name | SENTRON |
| product designation | Miniature circuit breaker |
| General technical data | |
| number of poles | 4 |
| design of pole | 4P |
| tripping characteristic class | C |
| mechanical service life (operating cycles) at AC typical | 10 000 |
| overvoltage category | 3 |
| degree of pollution | 2 |
| Voltage | |
| type of voltage of the operating voltage | AC |
| type of voltage | Use only in alternating current or direct current circuits. Mixed use is not permitted. |
| insulation voltage (Ui) | |
| <ul style="list-style-type: none"> with single-phase operation at AC rated value with multi-phase operation at AC rated value | 250 V 440 V |
| <ul style="list-style-type: none"> operational current <ul style="list-style-type: none"> — at 30 °C rated value operational current at AC rated value | 25 A 25 A |
| Supply voltage | |
| supply voltage at AC | 415 V |
| value range of the supply voltage frequency | 50/60 Hz |
| operating voltage | |
| <ul style="list-style-type: none"> with multi-phase operation at AC maximum | 440 V |
| Protection class | |
| protection class IP | IP20, with connected conductors |
| Breaking Capacity | |
| switching capacity current | |
| <ul style="list-style-type: none"> according to EN 60898 rated value | 6 kA |
| suitability for operation | retail line |
| Product details | |
| product feature touch protection | No |
| product component neutral conductor switching | No |
| product feature halogen-free | Yes |
| product feature sealable | Yes |
| product feature silicon-free | Yes |
| product extension installable supplementary devices | Yes |
| Connections | |
| connectable conductor cross-section solid | |
| <ul style="list-style-type: none"> minimum maximum | 0.75 mm ² 25 mm ² |
| connectable conductor cross-section stranded | |
| <ul style="list-style-type: none"> minimum maximum | 0.75 mm ² 25 mm ² |
| connectable conductor cross-section finely stranded with core end processing | |
| <ul style="list-style-type: none"> minimum maximum | 0.75 mm ² 25 mm ² |

| | |
|--|---------------------------------|
| tightening torque with screw-type terminals | |
| • minimum | 2.5 N·m |
| • maximum | 3 N·m |
| Mechanical Design | |
| height | 90 mm |
| width | 72 mm |
| depth | 76 mm |
| installation depth | 70 mm |
| number of modular width units | 4 |
| mounting position | any |
| Net Weight | 538 g |
| Environmental conditions | |
| vibration resistance according to IEC 60068-2-6 | no |
| ambient temperature during operation | |
| • minimum | -25 °C |
| • maximum | 45 °C |
| ambient temperature during storage | |
| • minimum | -40 °C |
| • maximum | 75 °C |
| Approvals Certificates | |
| Environment | General Product Approval |
| | other |

[Environmental Con-
firmations](#)



[Confirmation](#)

[Confirmation](#)



Further information

- Information on the packaging**
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage**
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- Information- and Downloadcenter (Catalogs, Brochures,...)**
<https://www.siemens.com/lowvoltage/catalogs>
- Industry Mall (Online ordering system)**
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ6425-7RC>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/5SJ6425-7RC>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ6425-7RC
- CAX-Online-Generator**
<https://www.siemens.com/cax>
- Tender specifications**
<https://www.siemens.com/specifications>
- Characteristic curves**
[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)

last modified:

9/12/2025

