



AFDD-RCBO-combination 230V, 30mA, Type A 6kA, 1+N, B, 20A compact (1MW) pigtail



Figure similar

| Model | |
|---|---|
| product brand name | SENTRON |
| product designation | AFDD/electronic RCBO |
| design of the product | Compact unit |
| General technical data | |
| number of poles | 2 |
| design of pole | 1P+N |
| tripping characteristic class | B |
| size of installation devices according to DIN 43880 | 1 |
| touch protection against electrical shock according to EN 50274 | finger and back-of-hand safe |
| mechanical service life (operating cycles) typical | 10 000 |
| switching function short-term delayed | No |
| overvoltage category | 3 |
| degree of pollution | 2 |
| type of voltage of the operating voltage | AC |
| tripping fault current rated value | 30 mA |
| Supply voltage | |
| supply voltage | |
| • at AC | 230 V |
| • for testing equipment minimum | 195 V |
| value range of the supply voltage frequency | 50Hz |
| Protection class | |
| protection class IP | IP20, with connected protective device and conductors |
| Breaking Capacity | |
| switching capacity current | |
| • according to EN 60898-1 rated value | 6 000 A |
| • according to IEC 60947-2 rated value | 6 000 A |
| energy limitation class | 3 |
| Dissipation | |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 1.75 W |
| Product details | |
| product feature halogen-free | Yes |
| product feature silicon-free | Yes |

| | |
|---|----------------------|
| product extension installable supplementary devices | Yes |
| Connections | |
| connectable conductor cross-section solid | |
| • minimum | 0.75 mm ² |
| • maximum | 16 mm ² |
| connectable conductor cross-section stranded | |
| • minimum | 0.75 mm ² |
| • maximum | 16 mm ² |
| connectable conductor cross-section finely stranded with core end processing | |
| • minimum | 0.75 mm ² |
| • maximum | 10 mm ² |
| tightening torque with screw-type terminals | |
| • minimum | 1.2 N·m |
| • maximum | 2 N·m |
| position of power supply cord | any |

| | |
|-------------------------------|----------|
| Mechanical Design | |
| height | 90 mm |
| width | 18 mm |
| depth | 68.5 mm |
| installation depth | 70 mm |
| number of modular width units | 1 |
| fastening method | DIN rail |
| mounting position | any |
| Net Weight | 210 g |

| | |
|--|--------|
| Environmental conditions | |
| ambient temperature during operation | |
| • minimum | -25 °C |
| • maximum | 45 °C |
| ambient temperature during storage | |
| • minimum | -40 °C |
| • maximum | 75 °C |
| ambient temperature with relative humidity 95% | 55 °C |
| number of test cycles for environmental testing according to IEC 60068-2-30 | 28 |

| | |
|---|---|
| Certificates | |
| reference code according to IEC 81346-2 | F |

| | |
|-------------------------------|--------------------------|
| Approvals Certificates | |
| Environment | General Product Approval |

[Environmental Confirmations](#)



[Environmental Confirmations](#)



[Confirmation](#)

| | |
|--------------------------|-------|
| General Product Approval | other |
|--------------------------|-------|



[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=5SV6316-6KP20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV6316-6KP20>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV6316-6KP20

CAx-Online-Generator

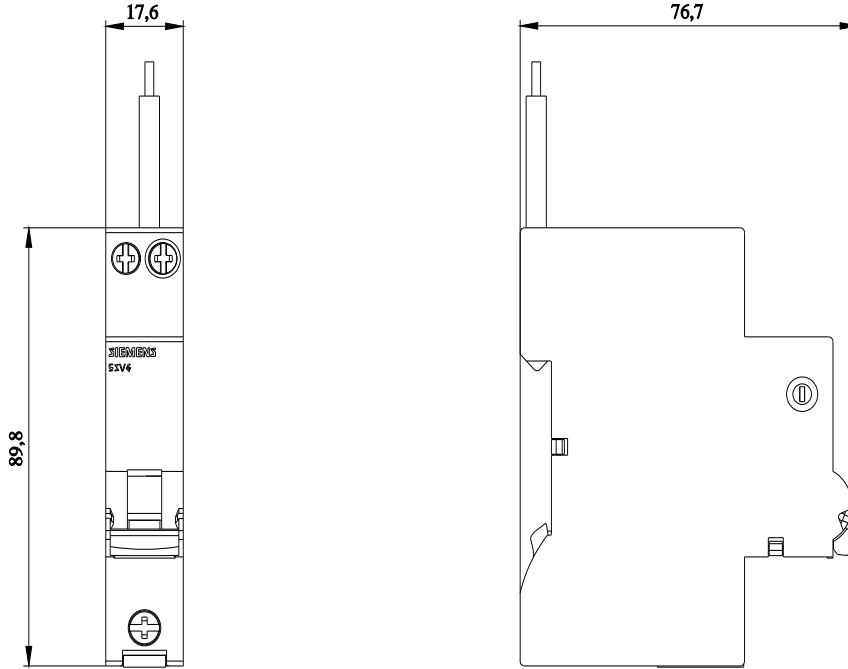
<https://www.siemens.com/cax>

Tender specifications

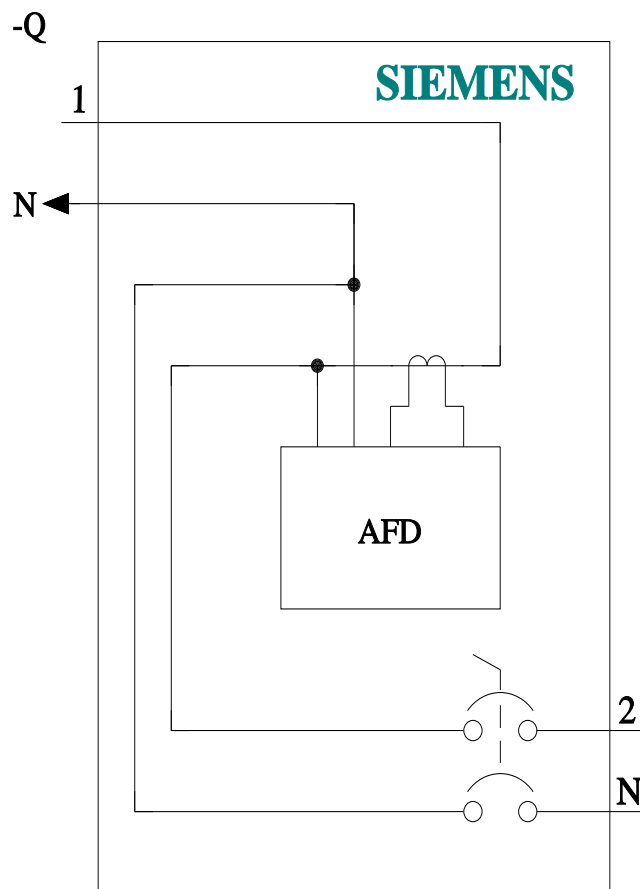
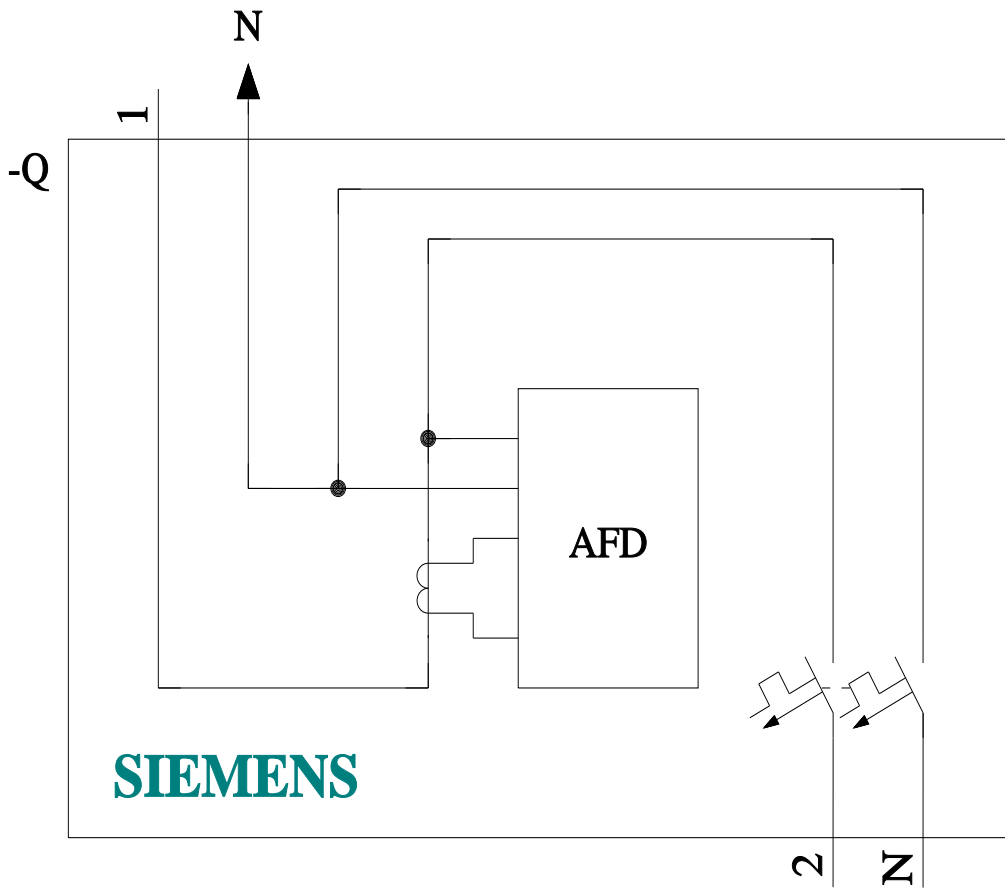
<https://www.siemens.com/specifications>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



5SV6



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