



Base unit (BU30-MS1) For ET 200SP motor starter With infeed 24 V and 500 V
Incl. infeed bus cover

| | |
|---|--|
| product brand name | SIMATIC |
| product category | Accessories |
| product designation | BaseUnit |
| design of the product | For AC/DC feed in |
| product type designation | ET 200SP |
| product description | for e-starters and motor starters |
| General technical data | |
| insulation voltage rated value | 500 V |
| degree of pollution | 2 |
| surge voltage resistance rated value | 6 kV |
| maximum permissible voltage for protective separation | |
| • between main and auxiliary circuit | 500 V |
| shock resistance | 6g / 11 ms |
| vibration resistance | 15 mm to 6 Hz; 2g to 500 Hz |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibition (Date) | 04/15/2016 |
| SVHC substance name | Lead monoxide (lead oxide) - 1317-36-8 |
| Weight | 0.236 kg |
| Electrical Safety | |
| protection class IP on the front according to IEC 60529 | IP20 |
| touch protection on the front according to IEC 60529 | finger-safe |
| Main circuit | |
| number of poles for main current circuit | 3 |
| type of voltage of the operating voltage | AC |
| operating voltage rated value maximum | 500 V |
| operating voltage of AC supply | 500 V |
| operating voltage of AC supply | |
| • for motor starter | 500 V |
| • for ET 200SP e-Starter | 480 V |
| operational current at AC at 400 V rated value | 32 A; Derating, see Manual |
| Inputs/ Outputs | |
| number of digital inputs | 0 |
| Supply voltage | |
| type of voltage of the supply voltage | DC |
| supply voltage 1 at DC rated value | 24 V |
| • minimum permissible | 20.4 V |
| • maximum permissible | 28.8 V |
| supply voltage of DC supply | 24 V |
| ampacity maximum | 7 A |
| Installation/ mounting/ dimensions | |

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|---|----------------------|
| mounting position | vertical, horizontal |
| fastening method | DIN rail |
| height | 215 mm |
| width | 30 mm |
| depth | 75 mm |
| required spacing with side-by-side mounting | |
| • upwards | 50 mm |
| • downwards | 50 mm |

| Ambient conditions | |
|--|--|
| installation altitude at height above sea level maximum | 4 000 m; For derating see manual |
| ambient temperature | |
| • during operation | -25 ... +60 °C; For derating see manual |
| • during storage | -40 ... +70 °C |
| • during transport | -40 ... +70 °C |
| environmental category during operation according to IEC 60721 | 3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices) |
| relative humidity during operation | 10 ... 95 % |
| air pressure according to SN 31205 | 900 ... 1 060 hPa |

| Connections/ Terminals | |
|--|--------------------------------------|
| type of electrical connection | |
| • for main current circuit | spring-loaded terminals (push-in) |
| • for auxiliary and control circuit | spring-loaded terminals (push-in) |
| type of connecting terminal | Push-in terminal |
| type of connectable conductor cross-sections for supply | |
| • solid | 1x 1 ... 6 mm ² |
| • finely stranded without core end processing | 1x 1 ... 6 mm ² |
| • finely stranded with core end processing | 1x 1 ... 6 mm ² |
| type of connectable conductor cross-sections at the inputs for supply voltage | |
| • solid | 1x 0.5 ... 2.5 mm ² |
| • finely stranded without core end processing | 1x 0,5 ... 2,5 mm ² |
| • finely stranded with core end processing | 1x 0.5 ... 2.5 mm ² |
| type of connectable conductor cross-sections | |
| • for AWG cables for supply | 1x 18 ... 10 |
| • at the inputs for supply voltage for AWG cables solid | 1x 20 ... 12 |
| type of connectable conductor cross-sections for load-side outgoing feeder | |
| • solid | 1x 0,5 ... 2,5 mm ² |
| • finely stranded without core end processing | 1x 0,5 ... 2,5 mm ² |
| • finely stranded with core end processing | 1x 0,5 ... 2,5 mm ² |
| type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder | 1x 20 ... 12 |
| shape of the screwdriver tip | Slot |
| size of the screwdriver tip | Standard screwdriver 0.6 mm x 3.5 mm |

| Approvals Certificates | | |
|--------------------------|-----|-------------------|
| General Product Approval | EMV | Test Certificates |



[Type Test Certificates/Test Report](#)

| Maritime application | other | Environment |
|----------------------|-------|-------------|
|----------------------|-------|-------------|



[Confirmation](#)



| Environment |
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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/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1908-0AP00-0AP0>

Cax online generator

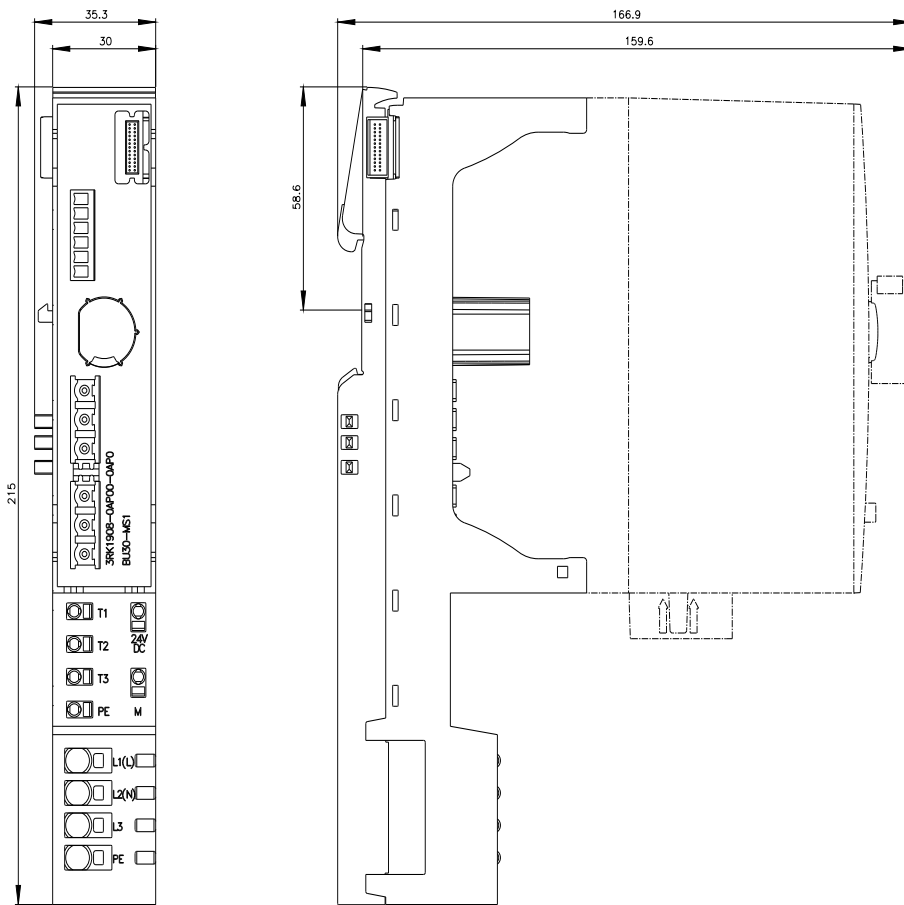
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1908-0AP00-0AP0>

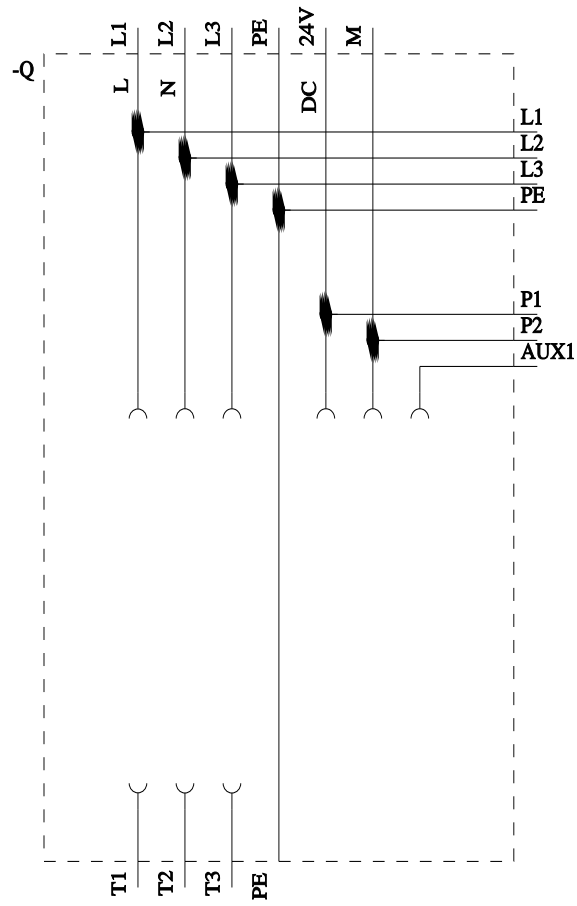
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1908-0AP00-0AP0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1908-0AP00-0AP0&lang=en





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