



Base unit (BU30-MS5) with F-DI For ET 200SP motor starter With infeed 500 V Incl. infeed bus cover

|                          |                           |
|--------------------------|---------------------------|
| product brand name       | SIMATIC                   |
| product category         | Accessories               |
| product designation      | BaseUnit                  |
| design of the product    | with AC infeed, with F-DI |
| product type designation | ET 200SP                  |

### General technical data

|                                                |                             |
|------------------------------------------------|-----------------------------|
| insulation voltage rated value                 | 500 V                       |
| degree of pollution                            | 2                           |
| surge voltage resistance rated value           | 6 kV                        |
| maximum permissible voltage for safe isolation |                             |
| • 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 Prohibitance (Date)                  | 04/15/2016                  |

### Safety related data

|                                                         |             |
|---------------------------------------------------------|-------------|
| 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                  | 500 V                      |
| operating voltage of AC supply                 | 500 V                      |
| operational current at AC at 400 V rated value | 32 A; Derating, see Manual |

### Inputs/ Outputs

|                                |                                      |
|--------------------------------|--------------------------------------|
| number of digital inputs       | 1                                    |
| type of input characteristic   | Type 1 in accordance with EN 61131-2 |
| input voltage at digital input |                                      |
| • at DC rated value            | 24 V                                 |
| • with signal <0> at DC        | 0 ... 5 V                            |
| • for signal <1> at DC         | 15 ... 30                            |

### 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 |
| ampacity maximum                      | 7 A    |

### Installation/ mounting/ dimensions

|                   |                      |
|-------------------|----------------------|
| mounting position | vertical, horizontal |
| fastening method  | standard rail        |

|                                             |        |
|---------------------------------------------|--------|
| <b>height</b>                               | 215 mm |
| <b>width</b>                                | 30 mm  |
| <b>depth</b>                                | 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                                                                         |
| <b>ambient temperature</b>                                     |                                                                                                          |
| • 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

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

#### Certificates/ approvals

|                          |     |                           |                   |                   |
|--------------------------|-----|---------------------------|-------------------|-------------------|
| General Product Approval | EMC | Declaration of Conformity | Test Certificates | Marine / Shipping |
|--------------------------|-----|---------------------------|-------------------|-------------------|

[Confirmation](#)



[Type Test Certificates/Test Report](#)



|                   |       |
|-------------------|-------|
| Marine / Shipping | other |
|-------------------|-------|



[Confirmation](#)

#### Further information

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=3RK1908-0AP00-0EP0>

**Cax online generator**

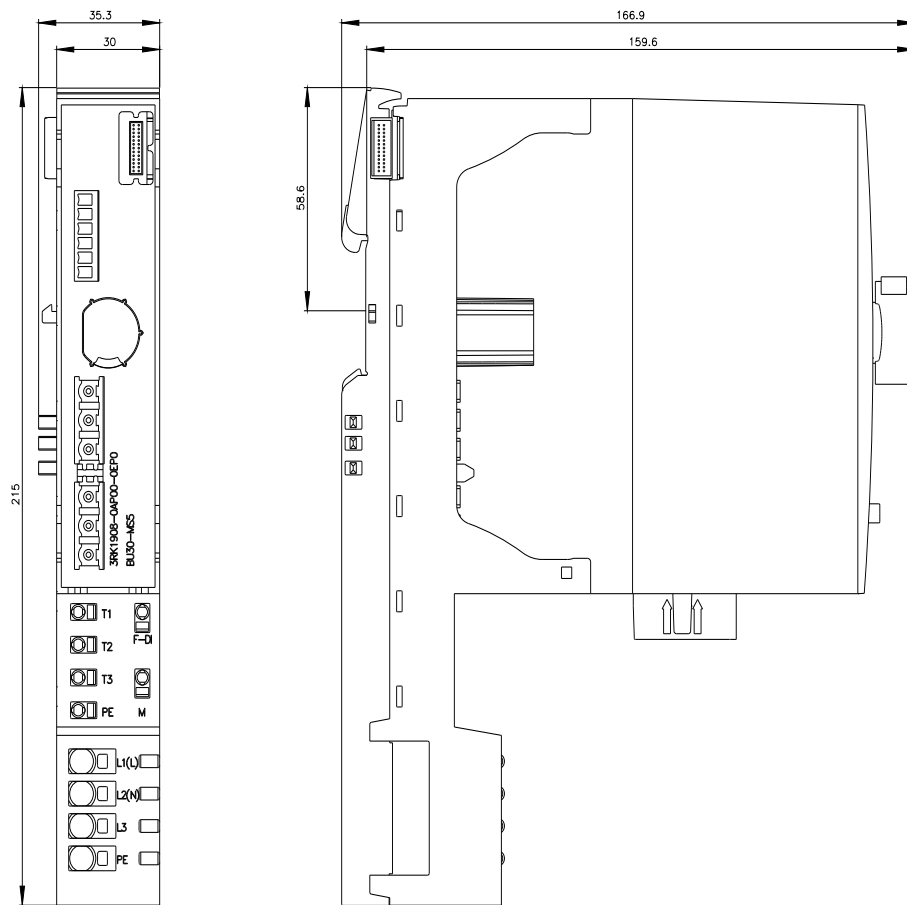
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1908-0AP00-0EP0>

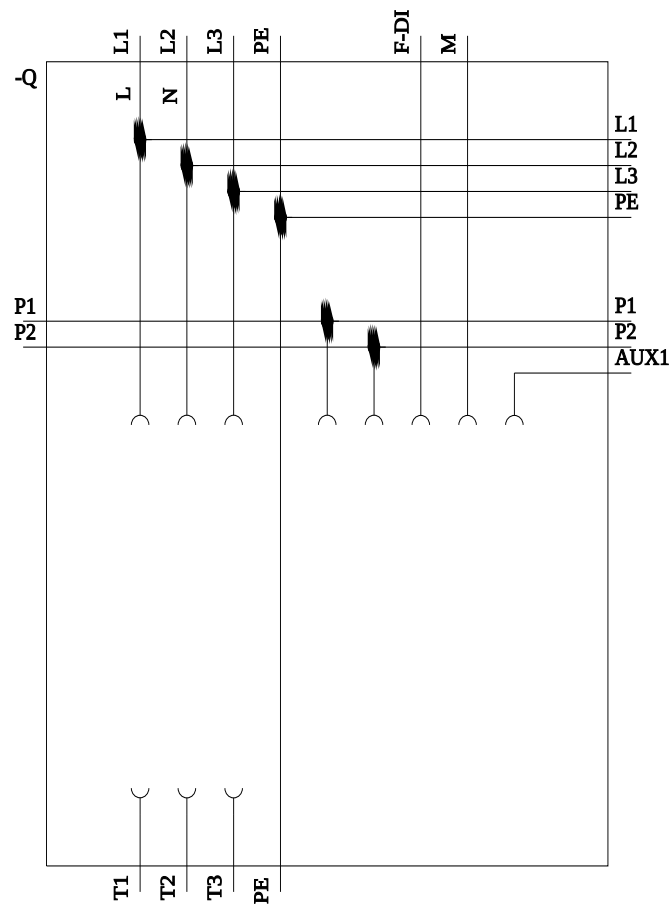
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1908-0AP00-0EP0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1908-0AP00-0EP0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1908-0AP00-0EP0&lang=en)





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