

Base unit (BU30-MS6) with F-DI For ET 200SP motor starter Without infeed



|                          |                      |
|--------------------------|----------------------|
| Product brand name       | SIMATIC              |
| Product category         | Accessories          |
| Product designation      | BaseUnit             |
| Design of the product    | Without infeed, 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                       |
| Protection class IP                            | IP20                        |
| Shock resistance                               | 6g / 11 ms                  |
| Vibration resistance                           | 15 mm to 6 Hz; 2g to 500 Hz |
| Reference code acc. to DIN EN 81346-2          | Q                           |

| Safety related data                 |             |
|-------------------------------------|-------------|
| Protection against electrical shock | finger-safe |

|                                                           |                                                                                                          |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Main circuit</b>                                       |                                                                                                          |
| Number of poles for main current circuit                  | 3                                                                                                        |
| Type of voltage of the operating voltage                  | AC                                                                                                       |
| Operating voltage                                         |                                                                                                          |
| • rated value                                             | 500 V                                                                                                    |
| Operating current                                         |                                                                                                          |
| • at AC at 400 V rated value                              | 32 A; Derating, see Manual                                                                               |
| <b>Inputs/ Outputs</b>                                    |                                                                                                          |
| 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                                                                                                |
| <b>Supply voltage</b>                                     |                                                                                                          |
| 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                                                                                                      |
| <b>Installation/ mounting/ dimensions</b>                 |                                                                                                          |
| Mounting position                                         | vertical, horizontal                                                                                     |
| Mounting type                                             | standard rail                                                                                            |
| Height                                                    | 215 mm                                                                                                   |
| Width                                                     | 30 mm                                                                                                    |
| Depth                                                     | 75 mm                                                                                                    |
| Required spacing                                          |                                                                                                          |
| • with side-by-side mounting                              |                                                                                                          |
| — upwards                                                 | 50 mm                                                                                                    |
| — downwards                                               | 50 mm                                                                                                    |
| <b>Ambient conditions</b>                                 |                                                                                                          |
| 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 acc. 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                                              |                                                                                                          |

## Connections/ Terminals

|                                                                                                                                                                                         |                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Type of electrical connection</b>                                                                                                                                                    |                                                                                                    |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control current circuit</li> </ul>                                                       | PUSH-IN connection (spring-loaded connection)<br>spring-loaded terminals (push-in)                 |
| <b>Type of connecting terminal</b>                                                                                                                                                      | Push-in terminal                                                                                   |
| <b>Type of connectable conductor cross-sections for load-side outgoing feeder</b>                                                                                                       |                                                                                                    |
| <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded without core end processing</li> <li>• finely stranded with core end processing</li> </ul>                    | 1x 0,5 ... 2,5 mm <sup>2</sup><br>1x 0,5 ... 2,5 mm <sup>2</sup><br>1x 0,5 ... 2,5 mm <sup>2</sup> |
| <b>Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder</b>                                                                                     | 1x 20 ... 12                                                                                       |
| <b>Connectable conductor cross-section at DC input</b>                                                                                                                                  |                                                                                                    |
| <ul style="list-style-type: none"> <li>• single or multi-stranded</li> <li>• finely stranded without core end processing</li> <li>• finely stranded with core end processing</li> </ul> | 0.5 ... 2.5 mm <sup>2</sup><br>0.5 ... 2.5 mm <sup>2</sup><br>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                                                                         |                                                                                            |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <br>CSA | <br>UL | <br>EAC        | <br>RCM |
|                                                                                            |                                                                                           | <br>EG-Konf. | <a href="#">Miscellaneous</a>                                                              |

| Test Certificates                                  | Marine / Shipping                                                                          | other                                                                                                 |
|----------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <a href="#">Type Test Certificates/Test Report</a> | <br>ABS | <br>BUREAU VERITAS |
|                                                    | <br>LRS | <br>DNV GL       |

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

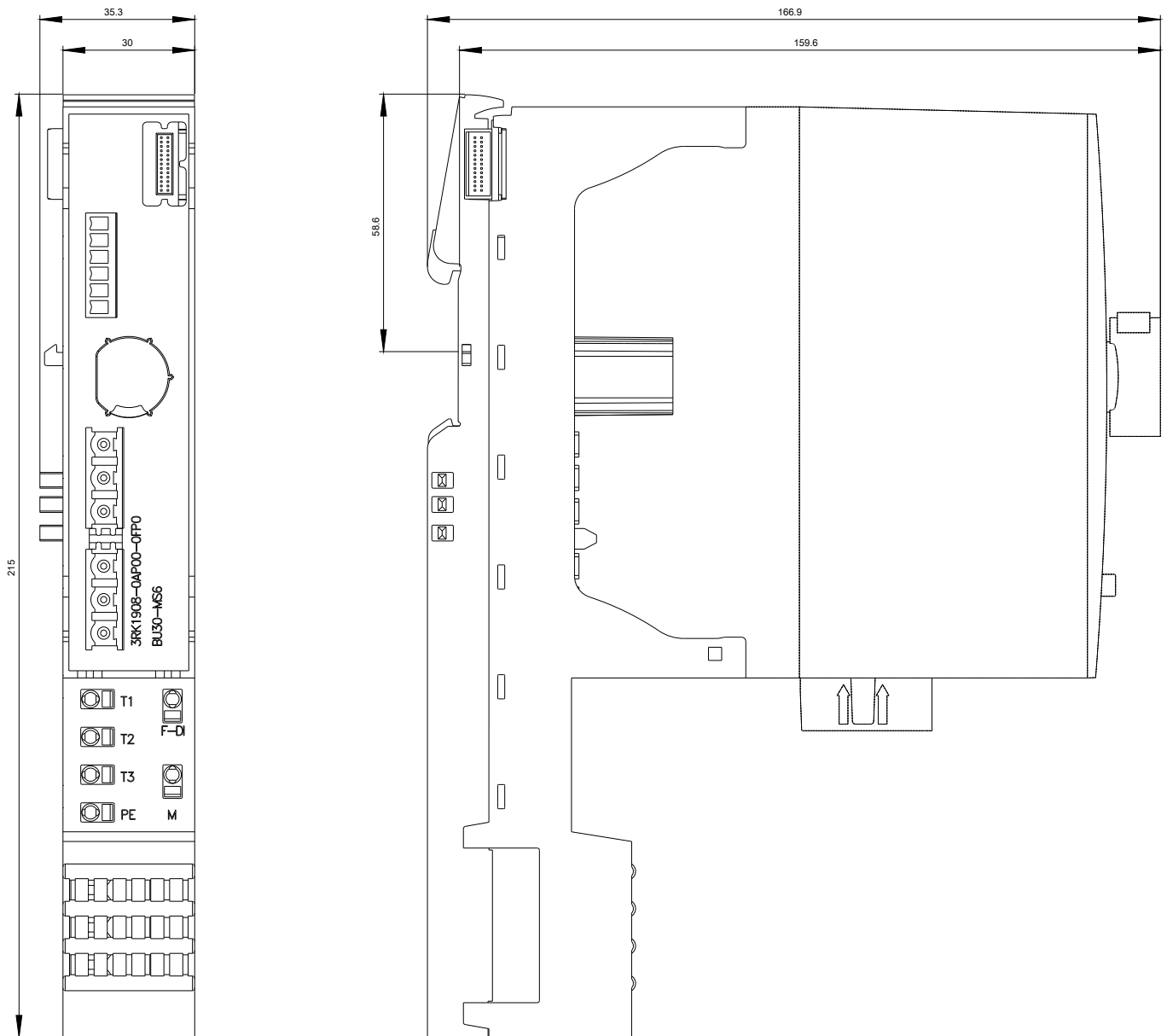
[www.siemens.com/ic10](http://www.siemens.com/ic10)

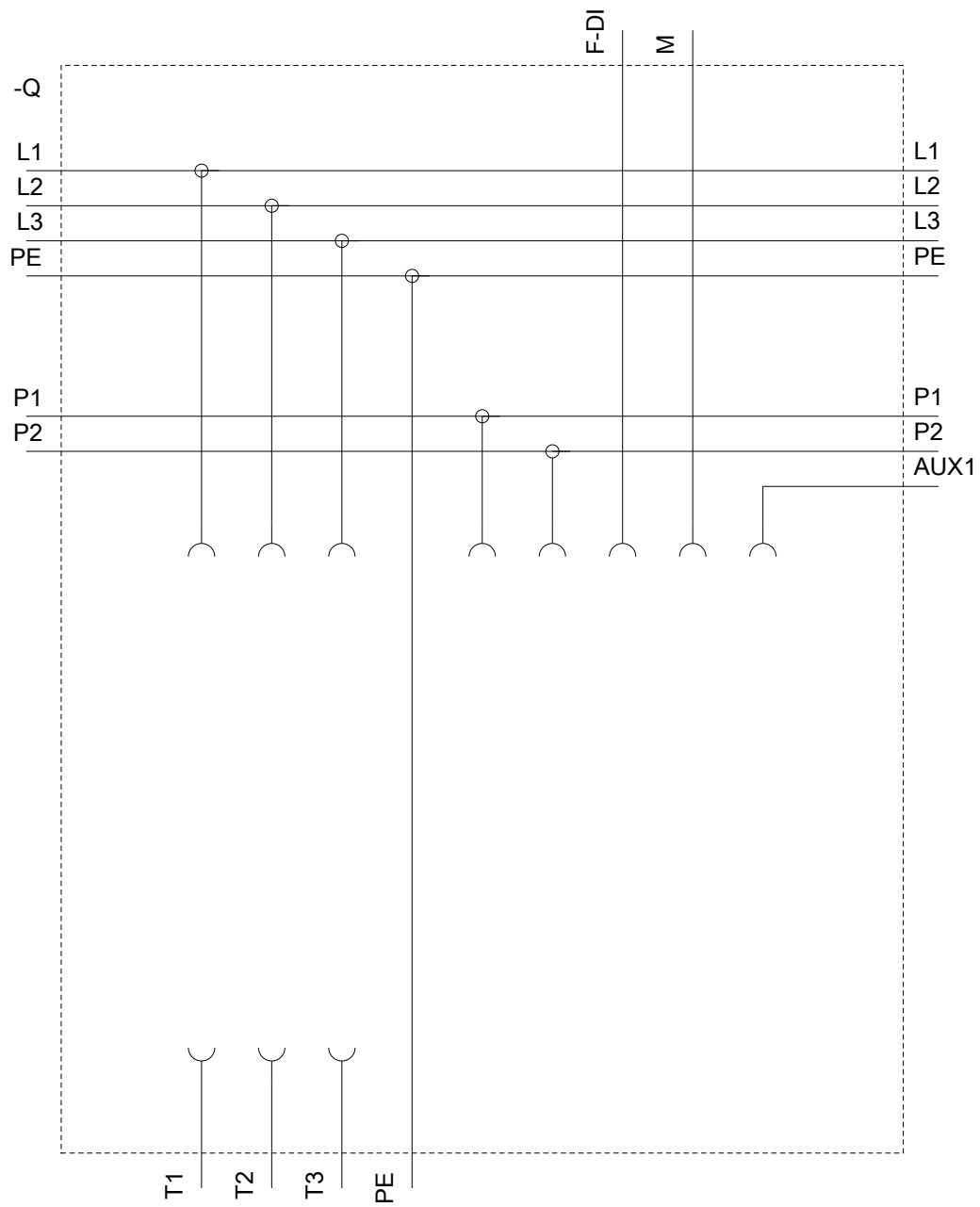
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1908-0AP00-0FP0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1908-0AP00-0FP0>





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