MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

## 3RK1908-0AP00-0AP0

**BU30-MS1 MOTOR-STARTER BASEUNIT**

Used with the applicable SIMATIC ET 200SP motor starters configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Official Siemens technical documentation for 3RK1908-0AP00-0AP0

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## Data sheet 3RK1908-0AP00-0AP0



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** | 6 g / 11 ms |
| **vibration resistance** | 15 mm to 6 Hz; 2 g to 500 Hz |
| **reference code according to IEC 81346-2** | Q |
| **Substance Prohibitance (day/month/year)** | 04/15/2016 |
| **SVHC substance name** | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5<br>Melamine CAS-No. 108-78-1 |
| **Net Weight** | 0.232 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 |


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| | |
|---|---|
| **supply voltage of DC supply** | 24 V |
| **ampacity maximum** | 7 A |
| **Installation/ mounting/ dimensions** | |
| **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 |
| **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 mm² |
| • finely stranded without core end processing | 1x 1 ... 6 mm² |
| • finely stranded with core end processing | 1x 1 ... 6 mm² |
| **type of connectable conductor cross-sections at the inputs for supply voltage** | |
| • solid | 1x 0.5 ... 2.5 mm² |
| • finely stranded without core end processing | 1x 0,5 ... 2,5 mm² |
| • finely stranded with core end processing | 1x 0.5 ... 2.5 mm² |
| **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 mm² |
| • finely stranded without core end processing | 1x 0,5 ... 2,5 mm² |
| • finely stranded with core end processing | 1x 0,5 ... 2,5 mm² |
| **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 |
|---|---|---|
| cULus, EAC, CE EG-Konf., UKCA, RCM | | Type Test Certificates/Test Report |

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

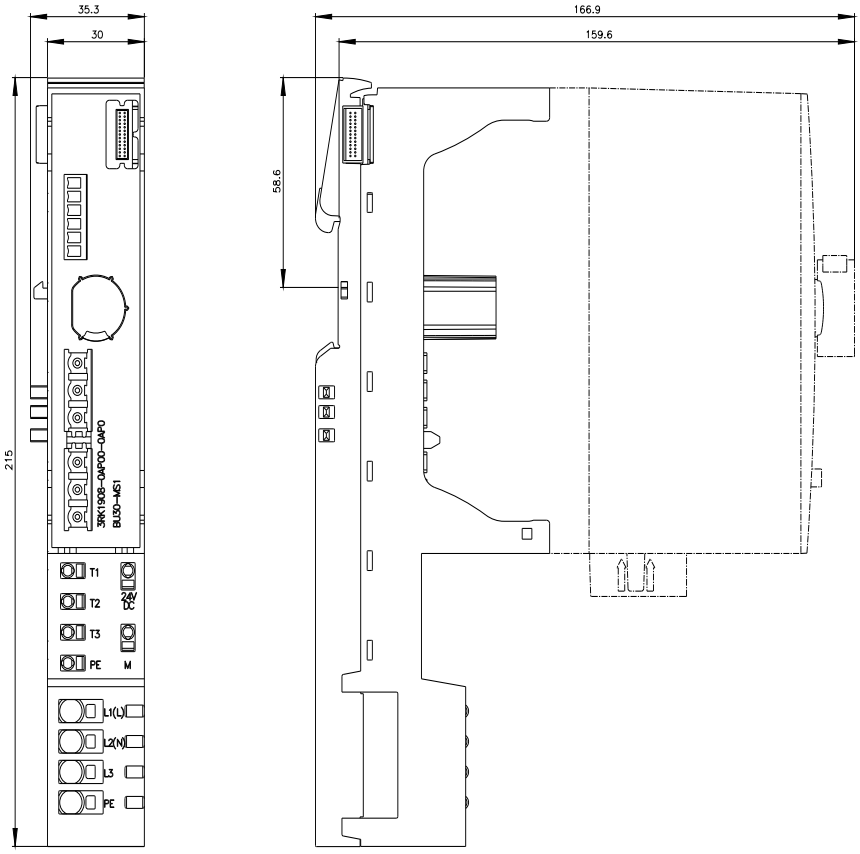

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Confirmation

Environmental Confirmations

## Environment

## Further information





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