



SIRIUS MCU MOTOR STARTER EN. DEGR. OF  
PROTEC. IP55 PLASTIC COMMUNICATION AS-  
INTERFACE ELECTROMECHANICAL SWITCHING SHORT  
-CIRCUIT PROTECTION W. CB DIRECT-ON-LINE  
STARTER BRAKE WITHOUT PERFORMANCE CLASS  
0.80A MOTOR PROTEC. CIRCUIT-BREAKER WITH  
BIMETAL-THERMAL ROTARY DRIVE GRAY / BLACK  
MANUAL OPERATION WITHOUT CONNEC POWER M-  
SCREW CONNECTION STANDARD PRODUCT

| General details:                           |    |                |
|--------------------------------------------|----|----------------|
| Design of the product                      |    | direct starter |
| Product function                           |    |                |
| • bus-communication                        |    | Yes            |
| • short circuit protection                 |    | Yes            |
| Protocol / is supported                    |    |                |
| • AS interface protocol                    |    | Yes            |
| • PROFINET protocol                        |    | No             |
| • PROFIBUS DP protocol                     |    | No             |
| Product component / outlet for enine brake |    | No             |
| Product equipment                          |    |                |
| • brake control with 24 V DC               |    | No             |
| • brake control with 180 V DC              |    | No             |
| • brake control with 500 V DC              |    | No             |
| • brake control with 230 V AC              |    | No             |
| • brake control with 400 V AC              |    | No             |
| Product extension                          |    |                |
| • braking module for brake control         |    | No             |
| Type of assignment                         |    | 1              |
| Width                                      | mm | 182            |

|                                                                                 |     |     |
|---------------------------------------------------------------------------------|-----|-----|
| <b>Height</b>                                                                   | mm  | 220 |
| <b>Depth</b>                                                                    | mm  | 145 |
| <b>Operating cycles / minimum</b>                                               | 1/h | 80  |
| <b>Reference code</b>                                                           |     |     |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 |     | A   |
| • according to DIN EN 61346-2                                                   |     | Q   |

|                                  |   |      |
|----------------------------------|---|------|
| <b>Control circuit:</b>          |   |      |
| <b>Type of voltage</b>           |   | DC   |
| <b>Control supply voltage</b>    |   |      |
| • for DC / rated value / minimum | V | 20.4 |
| • for DC / rated value / maximum | V | 26.4 |
| <b>Number of digital inputs</b>  |   | 0    |

|                                                                                                |    |                   |
|------------------------------------------------------------------------------------------------|----|-------------------|
| <b>Main circuit:</b>                                                                           |    |                   |
| <b>Design of the short-circuit protection</b>                                                  |    | circuit-breakers  |
| <b>Type of the motor protection</b>                                                            |    | bimetal           |
| <b>Design of the switching contact</b>                                                         |    | electromechanical |
| <b>Operating current / at 400 V / for AC / rated value</b>                                     | A  | 0.8               |
| <b>Operating voltage / rated value</b>                                                         |    |                   |
| • minimum                                                                                      | V  | 340               |
| • maximum                                                                                      | V  | 440               |
| <b>Service power</b>                                                                           |    |                   |
| • at AC-3 / at 400 V / rated value                                                             | kW | 0.18              |
| • for three-phase servomotors / at 400 V / at 50 Hz / minimum                                  | kW | 0.18              |
| • for three-phase servomotors / at 400 V / at 50 Hz / maximum                                  | kW | 0.18              |
| <b>Adjustable response current / of the current-dependent overload release</b>                 |    |                   |
| • initial value                                                                                | A  | 0.55              |
| • final value                                                                                  | A  | 0.8               |
| <b>Breaking capacity limit short-circuit current (I<sub>cu</sub>) / at 400 V / rated value</b> | A  | 50,000            |
| <b>Number of poles / for main current circuit</b>                                              |    | 3                 |

|                                                                       |  |                      |
|-----------------------------------------------------------------------|--|----------------------|
| <b>Connection type:</b>                                               |  |                      |
| <b>Design of the electrical connection / for main current circuit</b> |  | screw-type terminals |

|                            |    |             |
|----------------------------|----|-------------|
| <b>Ambient conditions:</b> |    |             |
| <b>Protection class IP</b> |    | IP55        |
| <b>Ambient temperature</b> |    |             |
| • during operating         | °C | -25 ... +35 |

## Certificates/approvals:

General Product Approval



Declaration of  
Conformity

Test Certificates

[Type Test  
Certificates/Test  
Report](#)

other

[Confirmation](#)

[Environmental  
Confirmations](#)

## Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrial-controls/mall>

**CAX-Online-Generator**

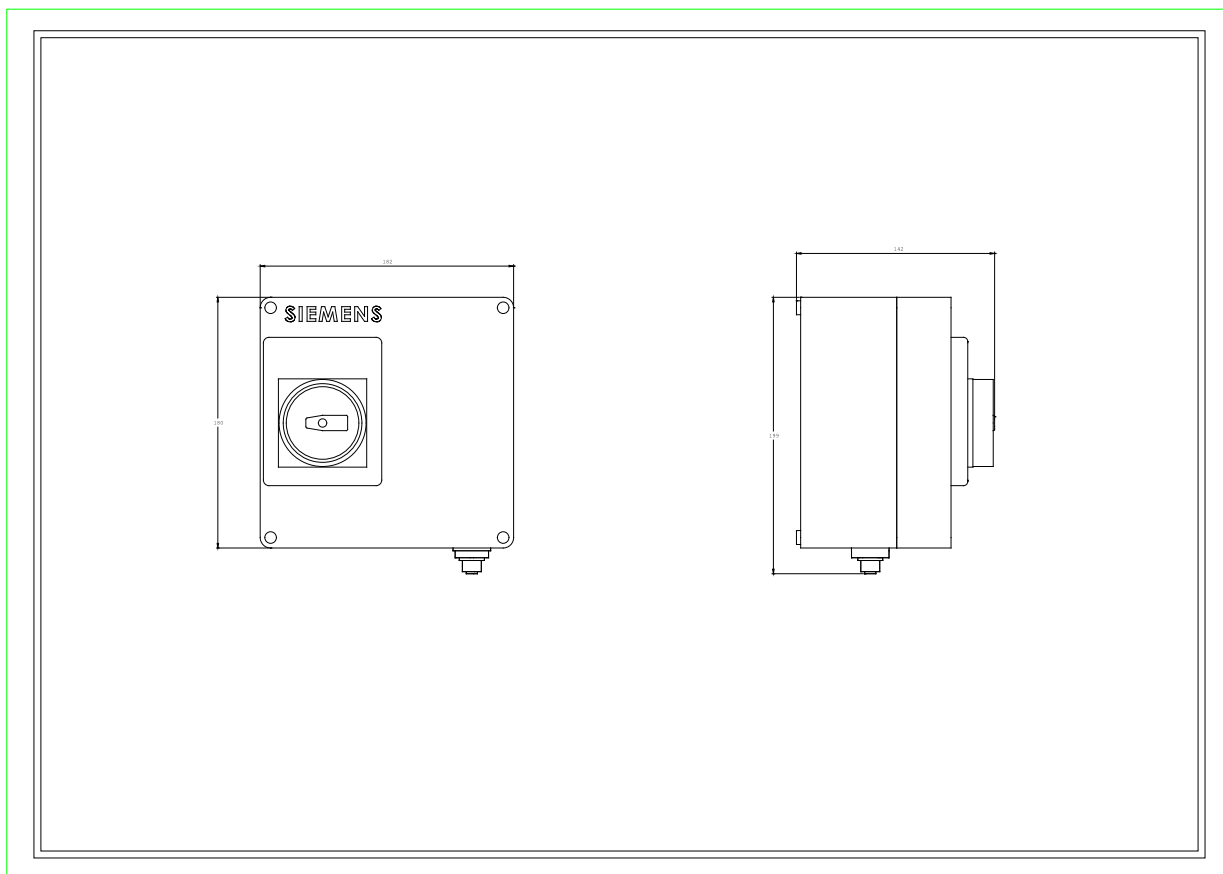
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK4320-3BR51-0BA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RK4320-3BR51-0BA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK4320-3BR51-0BA0)



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