



SIRIUS MCU MOTOR STARTER ENC DEGR.OF PROTEC.  
IP54 METAL COMMUNICATION AS-INTERFACE  
ELECTROMECHANICALLY SWITCHING SHORT-CIRCUIT  
PROTECTION W.CB DIRECT STARTER BREAK 400VAC  
(INTERNAL) RATING CLASS 1.60A MOTOR PROTECT.  
CIRCUIT BREAKER WITH BIMETAL-THERMAL ROTARY  
DRIVE GRAY / BLACK MAN.OPER.WITH  
M.OP.MOM.CO.TYPE CONN.POWER M-SCREW GLAND  
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 |    | Yes            |
| 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              |    | Yes            |
| Product extension                          |    |                |
| • braking module for brake control         |    | No             |
| Type of assignment                         |    | 1              |
| Width                                      | mm | 245            |

|                                                                                 |     |     |
|---------------------------------------------------------------------------------|-----|-----|
| <b>Height</b>                                                                   | mm  | 215 |
| <b>Depth</b>                                                                    | mm  | 205 |
| <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>  |   | 2    |

|                                                                                                |    |                   |
|------------------------------------------------------------------------------------------------|----|-------------------|
| <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  | 1.6               |
| <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 | 0.55              |
| • for three-phase servomotors / at 400 V / at 50 Hz / minimum                                  | kW | 0.55              |
| • for three-phase servomotors / at 400 V / at 50 Hz / maximum                                  | kW | 0.55              |
| <b>Adjustable response current / of the current-dependent overload release</b>                 |    |                   |
| • initial value                                                                                | A  | 1.1               |
| • final value                                                                                  | A  | 1.6               |
| <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> |    | IP54        |
| <b>Ambient temperature</b> |    |             |
| • during operating         | °C | -25 ... +50 |

## Certificates/approvals:

| General Product Approval                                                          | Declaration of Conformity                                                                 | Test Certificates                                                                             | other                                              |                              |                                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------|---------------------------------------------|
|  | <br>GOST | <br>EG-Konf. | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Confirmation</a> | <a href="#">Environmental Confirmations</a> |

## 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/3RK4320-3EQ54-0BA3/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RK4320-3EQ54-0BA3](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK4320-3EQ54-0BA3)

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