



SIRIUS MCU motor starter Enclosure degree of protection IP55 plastic Communication without electromechanically switching Short-circuit protection with circuit breaker Reversing starter Brake without Performance class 12.00 A Motor circuit breaker with bi-metal thermal Manual operation without Connection power M screw connection Standard product

General technical data:

|   |                   |
|---|-------------------|
| <b>Design of the product</b>  | reversing starter |
| <b>Product function</b>   |                   |
| <ul style="list-style-type: none"> <li>• Bus communication</li> </ul>           | No                |
| <ul style="list-style-type: none"> <li>• Short circuit protection</li> </ul>    | Yes               |
| <b>Protocol is supported</b>  |                   |
| <ul style="list-style-type: none"> <li>• AS-interface protocol</li> </ul>       | No                |
| <ul style="list-style-type: none"> <li>• PROFINET protocol</li> </ul>           | No                |
| <ul style="list-style-type: none"> <li>• PROFIBUS DP protocol</li> </ul>        | No                |
| <b>Product component Motor brake output</b>                                     | No                |
| <b>Product feature</b>  |                   |
| <ul style="list-style-type: none"> <li>• brake control with 24 V DC</li> </ul>  | No                |
| <ul style="list-style-type: none"> <li>• brake control with 180 V DC</li> </ul> | No                |
| <ul style="list-style-type: none"> <li>• brake control with 500 V DC</li> </ul> | No                |
| <ul style="list-style-type: none"> <li>• brake control with 230 V AC</li> </ul> | No                |
| <ul style="list-style-type: none"> <li>• brake control with 400 V AC</li> </ul> | No                |
| <b>Product extension braking module for brake control</b>                       | No                |
| <b>Type of assignment</b>   | 1                 |
| <b>Width</b>  | 182 mm            |

|   |        |
|---|--------|
| Height  | 220 mm |
| Depth   | 145 mm |
| Operating frequency minimum   | 80 1/h |
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | A      |
| Equipment marking acc. to DIN EN 61346-2  | Q      |

#### Control circuit/ Control:

|   |                  |
|---|------------------|
| Type of voltage   | DC               |
| Control supply voltage  |                  |
| <ul style="list-style-type: none"> <li>• at DC rated value</li> <li>— minimum</li> <li>— maximum</li> </ul> | 20.4 V<br>26.4 V |
| Number of digital inputs  | 0                |

#### Main circuit:

|   |                   |
|---|-------------------|
| Design of short-circuit protection  | circuit-breakers  |
| Type of the motor protection  | bimetal           |
| Design of the switching contact   | electromechanical |
| Operating current at AC at 400 V rated value  | 12 A              |
| Operating voltage rated value   | 340 ... 440 V     |
| Operating power at AC-3 at 400 V rated value  | 5.5 kW            |
| Operating power for three-phase motors at 400 V at 50 Hz                                | 5.5 ... 5.5 kW    |
| Adjustable pick-up value current of the current-dependent overload release              | 9 ... 12.5 A      |
| Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) at 400 V rated value | 50 000 A          |
| Number of poles for main current circuit  | 3                 |

#### Connections/ Terminals:

|  |                      |
|--|----------------------|
| Type of electrical connection for main current circuit | screw-type terminals |
|--|----------------------|

#### Ambient conditions:

|                                      |                |
|--------------------------------------|----------------|
| Protection class IP                  | IP55           |
| Ambient temperature during operation | -25 ... +35 °C |

#### Certificates/ approvals:

|                          |                           |                   |       |
|--------------------------|---------------------------|-------------------|-------|
| General Product Approval | Declaration of Conformity | Test Certificates | other |
|--------------------------|---------------------------|-------------------|-------|



[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

## Further information

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

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

### Industry Mall (Online ordering system)

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

### Cax online generator

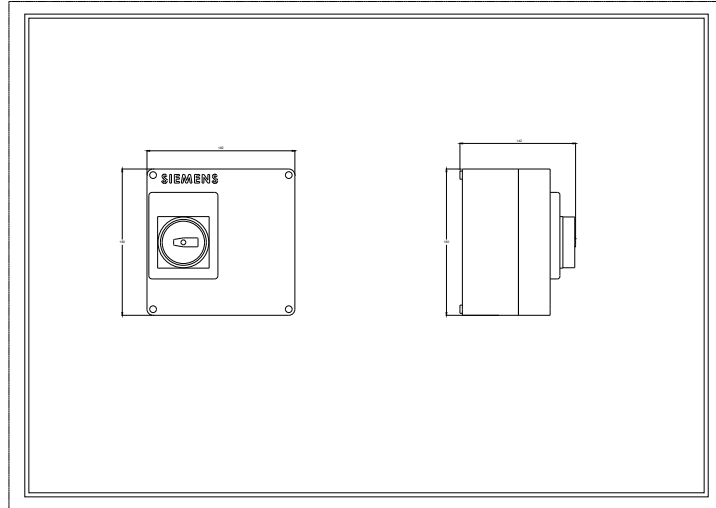
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RK4340-3PR51-1BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK4340-3PR51-1BA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RK4340-3PR51-1BA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RK4340-3PR51-1BA0&lang=en)



last modified:

07/25/2019