



Figure similar

ET 200pro RSE ST Reversing starter standard Mechanical switching Electronic overload protection AC-3, 5.5 kW / 400 V 1.50 A...12.00 A Brake contact 400 V AC Han Q4/2 - Han Q8/0

|                                                                                          |                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| product brand name                                                                       | SIMATIC                                                                                                                                                                                                                           |
| product designation                                                                      | Motor starters                                                                                                                                                                                                                    |
| design of the product                                                                    | reversing starter                                                                                                                                                                                                                 |
| product type designation                                                                 | ET 200pro                                                                                                                                                                                                                         |
| General technical data                                                                   |                                                                                                                                                                                                                                   |
| product function on-site operation                                                       | Yes                                                                                                                                                                                                                               |
| insulation voltage rated value                                                           | 400 V                                                                                                                                                                                                                             |
| degree of pollution                                                                      | 3                                                                                                                                                                                                                                 |
| surge voltage resistance rated value                                                     | 6 kV                                                                                                                                                                                                                              |
| maximum permissible voltage for protective separation between main and auxiliary circuit | 400 V                                                                                                                                                                                                                             |
| shock resistance                                                                         | 15g / 11 ms                                                                                                                                                                                                                       |
| vibration resistance                                                                     | 2g                                                                                                                                                                                                                                |
| mechanical service life (operating cycles) of the main contacts typical                  | 30 000 000                                                                                                                                                                                                                        |
| type of coordination                                                                     | 1                                                                                                                                                                                                                                 |
| reference code according to IEC 81346-2                                                  | Q                                                                                                                                                                                                                                 |
| Substance Prohibitance (Date)                                                            | 05/01/2012                                                                                                                                                                                                                        |
| SVHC substance name                                                                      | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8<br>2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7<br>Lead titanium zirconium oxide - 12626-81-2<br>6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 |
| Net Weight                                                                               | 2.48 kg                                                                                                                                                                                                                           |
| product function                                                                         |                                                                                                                                                                                                                                   |
| • direct start                                                                           | No                                                                                                                                                                                                                                |
| • reverse starting                                                                       | Yes                                                                                                                                                                                                                               |
| product component motor brake output                                                     | Yes                                                                                                                                                                                                                               |
| product feature                                                                          |                                                                                                                                                                                                                                   |
| • brake control with 230 V AC                                                            | No                                                                                                                                                                                                                                |
| • brake control with 400 V AC                                                            | Yes                                                                                                                                                                                                                               |
| • brake control with 24 V DC                                                             | No                                                                                                                                                                                                                                |
| • brake control with 180 V DC                                                            | No                                                                                                                                                                                                                                |
| • brake control with 500 V DC                                                            | No                                                                                                                                                                                                                                |
| type of voltage of the supply voltage for brake control required                         | AC                                                                                                                                                                                                                                |
| supply voltage for brake control required                                                | 400 V                                                                                                                                                                                                                             |
| product function short circuit protection                                                | Yes                                                                                                                                                                                                                               |
| design of short-circuit protection                                                       | fuse                                                                                                                                                                                                                              |
| maximum short-circuit current breaking capacity (Icu)                                    |                                                                                                                                                                                                                                   |

|                                                                                            |                      |
|--------------------------------------------------------------------------------------------|----------------------|
| • at 400 V rated value                                                                     | 100 000 A            |
| <b>Safety related data</b>                                                                 |                      |
| <b>proportion of dangerous failures</b>                                                    |                      |
| • with low demand rate according to SN 31920                                               | 50 %                 |
| • with high demand rate according to SN 31920                                              | 75 %                 |
| <b>B10 value with high demand rate according to SN 31920</b>                               | 1 000 000            |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b>                       | 100 FIT              |
| <b>IEC 61508</b>                                                                           |                      |
| T1 value for proof test interval or service life according to IEC 61508                    | 20 a                 |
| <b>Electrical Safety</b>                                                                   |                      |
| <b>touch protection against electrical shock</b>                                           | finger-safe          |
| <b>Main circuit</b>                                                                        |                      |
| <b>number of poles for main current circuit</b>                                            | 3                    |
| <b>design of the switching contact</b>                                                     | electromechanical    |
| <b>adjustable current response value current of the current-dependent overload release</b> | 1.5 ... 12 A         |
| <b>type of the motor protection</b>                                                        | solid-state          |
| <b>type of voltage</b>                                                                     | AC                   |
| operating voltage rated value                                                              | 200 ... 400 V        |
| operating range relative to the operating voltage at AC at 50 Hz                           | 200 ... 440 V        |
| <b>operational current</b>                                                                 |                      |
| • at AC at 400 V rated value                                                               | 12 A                 |
| • at AC-3 at 400 V rated value                                                             | 12 A                 |
| <b>operating power</b>                                                                     |                      |
| • at AC-3 at 400 V rated value                                                             | 5 500 W              |
| operating power for 3-phase motors at 400 V at 50 Hz                                       | 700 ... 5 500 W      |
| <b>Inputs/ Outputs</b>                                                                     |                      |
| <b>product function</b>                                                                    |                      |
| • digital inputs parameterizable                                                           | No                   |
| • digital outputs parameterizable                                                          | No                   |
| <b>number of digital inputs</b>                                                            | 0                    |
| <b>number of sockets</b>                                                                   |                      |
| • for digital output signals                                                               | 0                    |
| • for digital input signals                                                                | 0                    |
| <b>Supply voltage</b>                                                                      |                      |
| <b>type of voltage of the supply voltage</b>                                               | DC                   |
| <b>supply voltage 1 at DC</b>                                                              | 24 ... 24 V          |
| <b>supply voltage 1 at DC rated value</b>                                                  |                      |
| • minimum permissible                                                                      | 20.4 V               |
| • maximum permissible                                                                      | 28.8 V               |
| <b>Control circuit/ Control</b>                                                            |                      |
| <b>type of voltage of the control supply voltage</b>                                       | DC                   |
| <b>control supply voltage at DC rated value</b>                                            | 20.4 ... 28.8 V      |
| <b>control supply voltage 1 at DC rated value</b>                                          | 20.4 ... 28.8 V      |
| <b>control supply voltage 1 at DC</b>                                                      | 24 ... 24 V          |
| <b>power loss [W] in auxiliary and control circuit</b>                                     |                      |
| • in switching state OFF                                                                   |                      |
| — with bypass circuit                                                                      | 1.6416 W             |
| — without bypass circuit                                                                   | 1.656 W              |
| • in switching state ON                                                                    |                      |
| — with bypass circuit                                                                      | 3.888 W              |
| — without bypass circuit                                                                   | 3.888 W              |
| <b>Installation/ mounting/ dimensions</b>                                                  |                      |
| <b>mounting position</b>                                                                   | vertical, horizontal |
| <b>fastening method</b>                                                                    | screw fixing         |
| <b>height</b>                                                                              | 230 mm               |
| <b>width</b>                                                                               | 110 mm               |

|                                                                      |                              |
|----------------------------------------------------------------------|------------------------------|
| depth                                                                | 150 mm                       |
| <b>Ambient conditions</b>                                            |                              |
| installation altitude at height above sea level maximum              | 3 500 m                      |
| <b>ambient temperature</b>                                           |                              |
| • during operation                                                   | -25 ... +55 °C               |
| • during storage                                                     | -40 ... +70 °C               |
| • during transport                                                   | -40 ... +70 °C               |
| relative humidity during operation                                   | 5 ... 95 %                   |
| <b>Communication/ Protocol</b>                                       |                              |
| <b>protocol is supported</b>                                         |                              |
| • PROFIBUS DP protocol                                               | Yes                          |
| • PROFINET protocol                                                  | Yes                          |
| design of the interface PROFINET protocol                            | Yes                          |
| <b>product function bus communication</b>                            | Yes                          |
| protocol is supported AS-Interface protocol                          | No                           |
| <b>product function</b>                                              |                              |
| • supports PROFinergy measured values                                | Yes                          |
| • supports PROFinergy shutdown                                       | Yes                          |
| <b>address space memory of address range</b>                         |                              |
| • of the inputs                                                      | 2 byte                       |
| • of the outputs                                                     | 2 byte                       |
| type of electrical connection of the communication interface         | via backplane bus            |
| <b>Connections/ Terminals</b>                                        |                              |
| <b>type of electrical connection</b>                                 |                              |
| • for main current circuit                                           | tab terminals                |
| <b>type of electrical connection</b>                                 |                              |
| • 1 for digital input signals                                        | M12 socket                   |
| • 2 for digital input signals                                        | M12 socket                   |
| • 3 for digital input signals                                        | M12 socket                   |
| • 4 for digital input signals                                        | M12 socket                   |
| <b>type of electrical connection</b>                                 |                              |
| • at the manufacturer-specific device interface                      | optical interface            |
| • for main energy infeed                                             | socket according to ISO23570 |
| • for load-side outgoing feeder                                      | socket according to ISO23570 |
| • for main energy transmission                                       | socket according to ISO23570 |
| • for supply voltage line-side                                       | via backplane bus            |
| • for supply voltage transmission                                    | via backplane bus            |
| <b>UL/CSA ratings</b>                                                |                              |
| operating voltage at AC at 60 Hz according to CSA and UL rated value | 600 V                        |
| <b>Approvals Certificates</b>                                        |                              |
| General Product Approval                                             | EMV                          |



|                                                    |                                                                                     |                              |                                             |
|----------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------|
| Test Certificates                                  | other                                                                               | Dangerous goods              | Environment                                 |
| <a href="#">Type Test Certificates/Test Report</a> |  | <a href="#">Confirmation</a> | <a href="#">Transport Information</a>       |
|                                                    |                                                                                     |                              | <a href="#">Environmental Confirmations</a> |

|                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Further information</b>                                                                                                                                                             |
| Information on the packaging<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>                |
| Information for data generation and storage<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a> |

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1304-5LS40-5AA3>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1304-5LS40-5AA3>

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

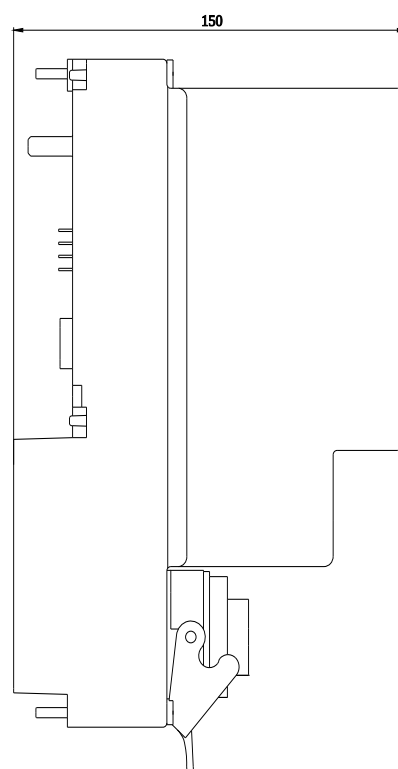
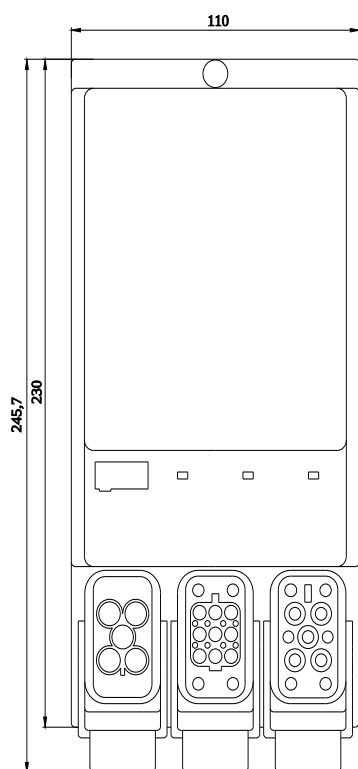
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1304-5LS40-5AA3>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1304-5LS40-5AA3&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1304-5LS40-5AA3&lang=en)

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP='HAUPT'></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>)



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