

ET 200pro RSE ST Reversing starter standard Mechanical switching
 Electronic overload protection AC-3, 0.9 kW / 400 V 0.15 A...2.00 A
 without brake contact Han Q4/2 - Han Q8/0



Figure similar

| | |
|--------------------------|-------------------|
| Product brand name | SIMATIC |
| Product designation | Motor starters |
| Design of the product | reversing starter |
| Product type designation | ET 200pro |

| General technical data | |
|--|-------------|
| Trip class | CLASS 10 |
| 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 safe isolation | |
| • between main and auxiliary circuit | 400 V |
| Protection class IP | IP65 |
| Shock resistance | 15g / 11 ms |
| Vibration resistance | 2g |

| | |
|---|------------|
| Mechanical service life (switching cycles) | |
| • of the main contacts typical | 30 000 000 |
| Type of assignment | 1 |
| Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | A |
| Reference code acc. to DIN EN 81346-2 | Q |
| Reference code acc. to DIN EN 61346-2 | Q |
| Product function | |
| • direct start | No |
| • reverse starting | Yes |
| Product component Motor brake output | No |
| Product feature | |
| • brake control with 230 V AC | No |
| • brake control with 400 V AC | No |
| • brake control with 24 V DC | No |
| • brake control with 180 V DC | No |
| • brake control with 500 V DC | No |
| 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 |

Safety related data

| | |
|---|-------------|
| B10 value | |
| • with high demand rate acc. to SN 31920 | 1 000 000 |
| Proportion of dangerous failures | |
| • with low demand rate acc. to SN 31920 | 50 % |
| • with high demand rate acc. to SN 31920 | 75 % |
| Failure rate [FIT] | |
| • with low demand rate acc. to SN 31920 | 100 FIT |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y |
| Protection against electrical shock | finger-safe |

Main circuit

| | |
|---|-------------------|
| Number of poles for main current circuit | 3 |
| Design of the switching contact | electromechanical |
| adjustable pick-up value current of the current-dependent overload release | 0.15 ... 2 A |
| Type of the motor protection | solid-state |
| Type of voltage | AC |
| Operating voltage | |
| • rated value | 200 ... 400 V |

| | |
|--|---------------|
| Operating range relative to the operating voltage at AC | |
| • at 50 Hz | 200 ... 440 V |
| Operating current | |
| • at AC at 400 V rated value | 2 A |
| • at AC-3 | |
| — at 400 V rated value | 2 A |
| Operating power | |
| • at AC-3 | |
| — at 400 V rated value | 900 W |
| Operating power for three-phase motors at 400 V at 50 Hz | 70 ... 900 W |

Inputs/ Outputs

| | |
|-----------------------------------|----|
| Product function | |
| • digital inputs parameterizable | No |
| • digital outputs parameterizable | No |
| Number of digital inputs | 0 |
| Number of sockets | |
| • for digital output signals | 0 |
| • for digital input signals | 0 |

Supply voltage

| | |
|--|-------------|
| Type of voltage of the supply voltage | DC |
| Supply voltage 1 at DC | 24 ... 24 V |
| Supply voltage 1 at DC rated value | |
| • minimum permissible | 20.4 V |
| • maximum permissible | 28.8 V |

Control circuit/ Control

| | |
|--|-----------------|
| Type of voltage of the control supply voltage | DC |
| Control supply voltage at DC | |
| • rated value | 20.4 ... 28.8 V |
| Control supply voltage 1 | |
| • at DC rated value | 20.4 ... 28.8 V |
| • at DC | 24 ... 24 V |
| Power loss [W] in auxiliary and control circuit | |
| • in switching state OFF | |
| — with bypass circuit | 1.6416 W |
| — without bypass circuit | 1.6416 W |
| • in switching state ON | |
| — with bypass circuit | 3.888 W |
| — without bypass circuit | 3.888 W |

Installation/ mounting/ dimensions

| | |
|--------------------------|----------------------|
| Mounting position | vertical, horizontal |
| Mounting type | screw fixing |
| Height | 230 mm |
| Width | 110 mm |
| Depth | 150 mm |

Ambient conditions

| | |
|--|----------------|
| Installation altitude at height above sea level | |
| <ul style="list-style-type: none"> • maximum | 3 500 m |
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation | -25 ... +55 °C |
| <ul style="list-style-type: none"> • during storage | -40 ... +70 °C |
| <ul style="list-style-type: none"> • during transport | -40 ... +70 °C |
| Relative humidity during operation | 5 ... 95 % |

Communication/ Protocol

| | |
|--|-------------------|
| Protocol is supported | |
| <ul style="list-style-type: none"> • PROFIBUS DP protocol | Yes |
| <ul style="list-style-type: none"> • PROFINET protocol | Yes |
| Design of the interface | |
| <ul style="list-style-type: none"> • PROFINET protocol | Yes |
| Product function Bus communication | Yes |
| Protocol is supported | |
| <ul style="list-style-type: none"> • AS-Interface protocol | No |
| Product function | |
| <ul style="list-style-type: none"> • supports PROFIenergy measured values | Yes |
| <ul style="list-style-type: none"> • supports PROFIenergy shutdown | Yes |
| address range memory of address range | |
| <ul style="list-style-type: none"> • of the inputs | 2 byte |
| <ul style="list-style-type: none"> • of the outputs | 2 byte |
| Type of electrical connection | |
| <ul style="list-style-type: none"> • of the communication interface | via backplane bus |

Connections/ Terminals

| | |
|---|------------------------------|
| Type of electrical connection | |
| <ul style="list-style-type: none"> • for main current circuit | tab terminals |
| Type of electrical connection | |
| <ul style="list-style-type: none"> • 1 for digital input signals | M12 socket |
| <ul style="list-style-type: none"> • 2 for digital input signals | M12 socket |
| <ul style="list-style-type: none"> • 3 for digital input signals | M12 socket |
| <ul style="list-style-type: none"> • 4 for digital input signals | M12 socket |
| Type of electrical connection | |
| <ul style="list-style-type: none"> • at the manufacturer-specific device interface | optical interface |
| <ul style="list-style-type: none"> • for main energy infeed | socket according to ISO23570 |

- for load-side outgoing feeder
- for main energy transmission
- for supply voltage line-side
- for supply voltage transmission

socket according to ISO23570
 socket according to ISO23570
 via backplane bus
 via backplane bus

UL/CSA ratings

Operating voltage

- at AC at 60 Hz acc. to CSA and UL rated value 600 V

Certificates/ approvals

| General Product Approval | | | EMC | Declaration of Conformity | |
|--|--|---|---|--|---|
|  CCC |  CSA |  UL |  |  RCM |  EG-Konf. |

| Declaration of Conformity | Test Certificates | other |
|-------------------------------|--|------------------------------|
| Miscellaneous | Type Test Certificates/Test Report | Confirmation |

Further information

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

www.siemens.com/ic10

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3RK1304-5KS40-5AA0>

Cax online generator

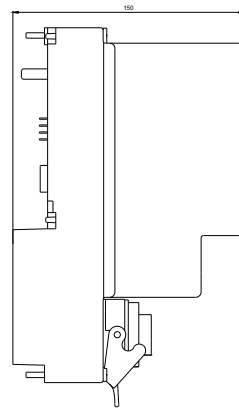
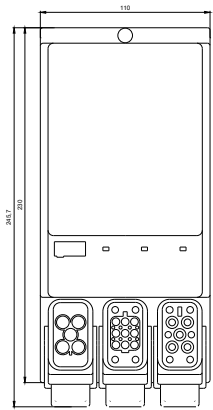
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RK1304-5KS40-5AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1304-5KS40-5AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RK1304-5KS40-5AA0&lang=en



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