



Figure similar

ET 200pro RSE HF Reversing starter High Feature Mechanical switching
Electronic overload protection AC-3, 5.5 kW / 400 V 1.50 A...12.00 A Brake contact
400 V AC 4 DI 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 | 15 g / 11 ms |
| vibration resistance | 2 g |
| 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 (day/month/year) | 05/01/2012 |
| SVHC substance name | Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1 |
| Net Weight | 2.08 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 |

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| maximum short-circuit current breaking capacity (Icu) | |
| <ul style="list-style-type: none"> at 400 V rated value | 100 000 A |
| Safety related data | |
| proportion of dangerous failures | |
| <ul style="list-style-type: none"> with low demand rate according to SN 31920 | 50 % |
| <ul style="list-style-type: none"> with high demand rate according to SN 31920 | 75 % |
| B10 value with high demand rate according to SN 31920 | 1 000 000 |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |
| IEC 61508 | |
| T1 value for proof test interval or service life according to IEC 61508 | 20 a |
| Electrical Safety | |
| touch protection against electrical shock | finger-safe |
| Main circuit | |
| number of poles for main current circuit | 3 |
| design of the switching contact | electromechanical |
| adjustable current response value current of the current-dependent overload release | 1.5 ... 12 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 |
| operational current | |
| <ul style="list-style-type: none"> at AC at 400 V rated value | 12 A |
| <ul style="list-style-type: none"> at AC-3 at 400 V rated value | 12 A |
| operating power | |
| <ul style="list-style-type: none"> 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 |
| Inputs/ Outputs | |
| product function | |
| <ul style="list-style-type: none"> digital inputs parameterizable | Yes |
| <ul style="list-style-type: none"> digital outputs parameterizable | No |
| number of digital inputs | 4 |
| number of sockets | |
| <ul style="list-style-type: none"> for digital output signals | 0 |
| <ul style="list-style-type: none"> for digital input signals | 4 |
| Supply voltage | |
| type of voltage of the supply voltage | DC |
| supply voltage 1 at DC | 24 V |
| supply voltage 1 at DC rated value | |
| <ul style="list-style-type: none"> minimum permissible | 20.4 V |
| <ul style="list-style-type: none"> 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 |
| control supply voltage 1 at DC | 24 V |
| power loss [W] in auxiliary and control circuit | |
| <ul style="list-style-type: none"> in switching state OFF <ul style="list-style-type: none"> with bypass circuit | 1.6416 W |
| <ul style="list-style-type: none"> <ul style="list-style-type: none"> without bypass circuit | 1.656 W |
| <ul style="list-style-type: none"> in switching state ON <ul style="list-style-type: none"> with bypass circuit | 3.888 W |
| <ul style="list-style-type: none"> <ul style="list-style-type: none"> without bypass circuit | 3.888 W |
| Installation/ mounting/ dimensions | |
| mounting position | vertical, horizontal |
| fastening method | screw fixing |
| height | 230 mm |

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| width | 110 mm |
| depth | 150 mm |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 3 500 m |
| ambient temperature | |
| • during operation | -25 ... +55 °C |
| • during storage | -40 ... +70 °C |
| • during transport | -40 ... +70 °C |
| relative humidity during operation | 5 ... 95 % |
| Communication/ Protocol | |
| protocol is supported | |
| • PROFIBUS DP protocol | Yes |
| • PROFINET protocol | Yes |
| design of the interface PROFINET protocol | Yes |
| product function bus communication | Yes |
| protocol is supported AS-Interface protocol | No |
| product function | |
| • supports PROFenergy measured values | Yes |
| • supports PROFenergy shutdown | Yes |
| address space memory of address range | |
| • of the inputs | 2 byte |
| • of the outputs | 2 byte |
| type of electrical connection of the communication interface | via backplane bus |
| Connections/ Terminals | |
| type of electrical connection | |
| • for main current circuit | tab terminals |
| type of electrical connection | |
| • 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 |
| type of electrical connection | |
| • 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 |
| UL/CSA ratings | |
| operating voltage at AC at 60 Hz according to CSA and UL rated value | 600 V |

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| Approvals Certificates | |
| General Product Approval | EMV |



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|--------------------------|--------------|------------------------|--------------------|
| Test Certificates | other | Dangerous goods | Environment |
|--------------------------|--------------|------------------------|--------------------|

[Type Test Certificates/Test Report](#)

[Confirmation](#)



[Transport Information](#)

[Environmental Confirmations](#)

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| Further information |
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Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RK1304-5LS40-3AA3>

Cax online generator

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

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

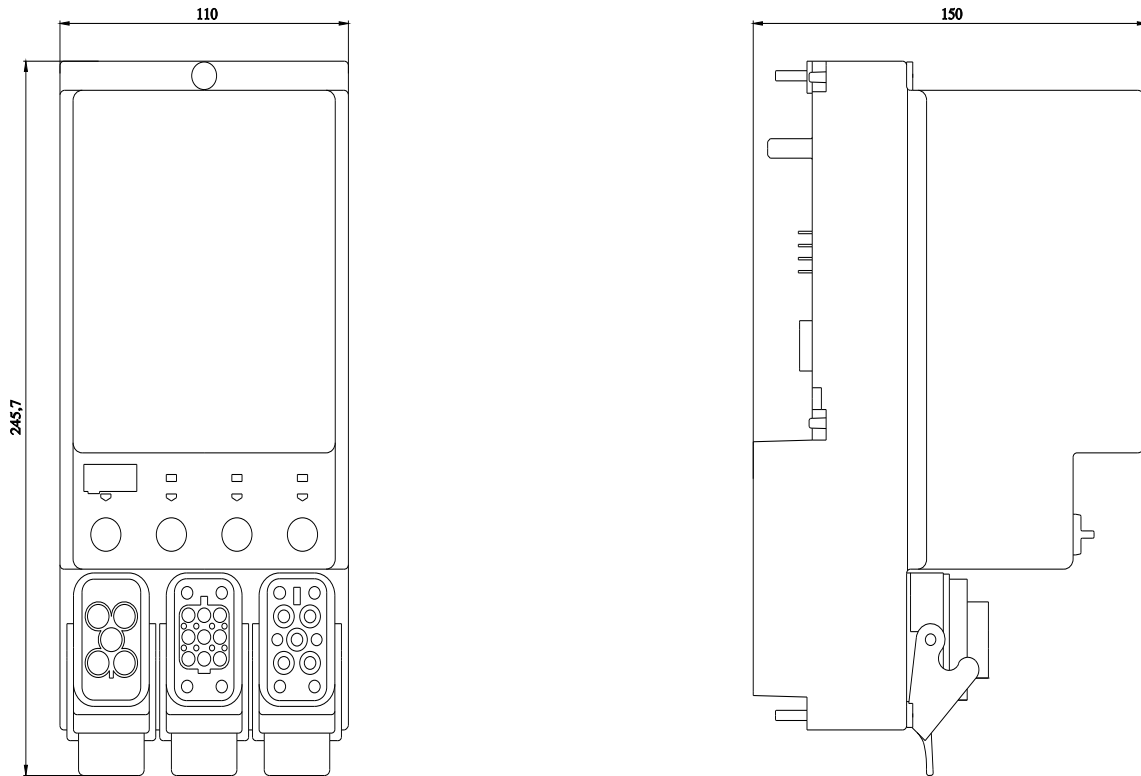
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1304-5LS40-3AA3>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1304-5LS40-3AA3&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=)



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