SIEMENS

Data sheet

3RE4123-5CA31-4HB0



STARTER, 3RE41235CA314HB0, WITH MODS

| 1 m | |
|---|-------------------------------|
| product brand name | Siemens |
| product designation | Non-reversing motor starter |
| special product feature | Start-Stop Push Buttons |
| General technical data | |
| weight [lb] | 21 lb |
| Height x Width x Depth [in] | 14 × 12 × 8 in |
| touch protection against electrical shock | NA for enclosed products |
| installation altitude [ft] at height above sea level maximum | 6 560 ft |
| ambient temperature [°F] during storage | -22 +149 °F |
| ambient temperature [°F] during operation | -4 +104 °F |
| ambient temperature during storage | -30 +65 °C |
| ambient temperature during operation | -20 +40 °C |
| country of origin | Germany |
| Power and control electronics | |
| number of poles for main current circuit | 3 |
| type of voltage of the control supply voltage | AC |
| control supply voltage | |
| at AC at 50 Hz rated value | 110 V |
| • at AC at 60 Hz rated value | 120 V |
| disconnector functionality | No |
| yielded mechanical performance [hp] for 3-phase AC motor | |
| • at 200/208 V rated value | 10 hp |
| at 220/230 V rated value | 15 hp |
| • at 460/480 V rated value | 30 hp |
| • at 575/600 V rated value | 40 hp |
| Contactor | |
| number of NO contacts for main contacts | 3 |
| operating voltage for main current circuit at AC at 60 Hz maximum | 600 V |
| operating voltage at AC-3 rated value maximum | 600 V |
| mechanical service life (operating cycles) of the main contacts typical | 30 000 000 |
| Auxiliary contact | |
| number of NC contacts for auxiliary contacts | 1 |
| number of NO contacts for auxiliary contacts | 1 |
| number of total auxiliary contacts maximum | 8 |
| contact rating of auxiliary contacts of contactor according to UL | 10A@600V(A600), 5A@600V(P600) |
| Coil | |
| apparent pick-up power of magnet coil at AC | 188 VA |
| apparent holding power of magnet coil at AC | 16.5 VA |
| operating range factor control supply voltage rated value of | 0.8 1.1 |

| OFF-delay time 1 Overload relay 1 product function 1 • overload protection 1 | 10 80 ms 10 18 ms |
|--|--|
| OFF-delay time 1 Overload relay product function • overload protection | 10 18 ms |
| Overload relay product function • overload protection | |
| product function overload protection | |
| overload protection | N/co |
| | Yes |
| | Yes |
| external reset | Yes |
| | Manual, automatic and remote (with optional accessory) |
| adjustment range of thermal overload trip unit | 40 50 |
| number of NC contacts of auxiliary contacts of overload relay | 1 |
| number of NO contacts of auxiliary contacts of overload relay | 1 |
| | 5A@600VAC (B600), 1A@250VDC (R300) |
| UL | |
| Enclosure | |
| | NEMA 3/3R/4/12 enclosure |
| | Dust- & watertight for outdoor use |
| Mounting/wiring | e 1 |
| | vertical |
| | Surface mounting and installation |
| | Box lug |
| | 26 39 lbf·in 2v (18 2) 1v (18 1) |
| AWG cables single or multi-stranded | 2x (18 2), 1x (18 1) |
| | 60 °C |
| | |
| | Box lug |
| | 26 39 lbf-in |
| for load-side outgoing feeder single or multi-stranded | 2x (18 2), 1x (18 1) |
| temperature of the conductor for load-side outgoing feeder femaximum permissible | 60 °C |
| material of the conductor for load-side outgoing feeder | CU |
| type of electrical connection of magnet coil | Screw-type terminals |
| | 7 10 lbf·in |
| type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded | 2x (18 2), 1x (18 1) |
| temperature of the conductor at magnet coil maximum permissible | 75 °C |
| material of the conductor at magnet coil | CU |
| type of electrical connection for auxiliary contacts | Screw-type terminals |
| tightening torque [lbf·in] at contactor for auxiliary contacts | 7 10 lbf·in |
| type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded | 2x (20 16), 2x (18 14) |
| temperature of the conductor at contactor for auxiliary contacts maximum permissible | 75 °C |
| material of the conductor at contactor for auxiliary contacts | CU |
| type of electrical connection at overload relay for auxiliary contacts | Screw-type terminals |
| tightening torque [lbf·in] at overload relay for auxiliary contacts | 7 10 lbf·in |
| type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded | 2x (20 16), 2x (18 14) |
| | 70 °C |
| | CU |
| Short-circuit current rating | |
| design of the fuse link for short-circuit protection of the main circuit required | Class J |
| | Thermal magnetic circuit breaker |
| maximum short-circuit current breaking capacity (Icu) | |
| | 5 kA |
| • at 480 V | 5 kA |
| • at 600 V | 5 kA |
| certificate of suitability | UL 60947-4-1 |

Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

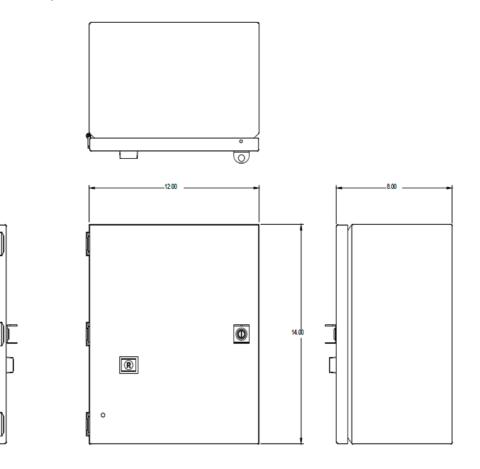
Industry Mall (Online ordering system) all.industry.siemens.com/mall/en/us/Catalog/product?mlfb=3RE4123-5CA31-4HB0 https://n

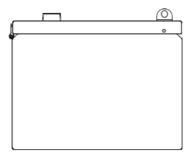
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RE4123-5CA31-4HB0&lang=en Certificates/approvals

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