SIEMENS

Data sheet

3RE4121-5AA11-1KB0

STARTER, 3RE41215AA111KB0, WITH MODS



Figure similar

| product brand name | Siemens |
|---|---------------------------------|
| product designation | Non-reversing motor starter |
| special product feature | Start-Stop Push Buttons |
| General technical data | |
| weight [lb] | 8 lb |
| Height x Width x Depth [in] | 11 × 7 × 5 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 | 24 V |
| at AC at 60 Hz rated value | 24 V |
| disconnector functionality | No |
| yielded mechanical performance [hp] for 3-phase AC motor | |
| • at 200/208 V rated value | 1.5 hp |
| • at 220/230 V rated value | 2 hp |
| • at 460/480 V rated value | 3 hp |
| • at 575/600 V rated value | 5 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 (switching cycles) of the main contacts typical | 30 000 000 |
| Auxiliary contact | |
| number of NC contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts | 1 |
| number of total auxiliary contacts maximum | 6 |
| contact rating of auxiliary contacts of contactor according to UL | 10A@600V(A600), 2.5A@600V(Q600) |

| apparent holding power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA operating range factor control supply voltage rated value of magnet coil 0.8 1.1 ON-delay time 9 35 ms OFF-delay time 9 35 ms Overload rolay product function • overload protection Yes • test function Yes reset function Manual, automatic and remote (with optional accessory) adjustment range of thermal overload trip unit 9 12.5 number of NC contacts of auxiliary contacts of overload relay 1 number of NC contacts of auxiliary contacts of overload relay 1 degree of protection NEMA rating of the enclosure design of the housing Indoors, usable on a general basis Mounting yosition vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side at AVG cables single or multi-stranded 2k (20 16), 2x (18 14), 2x 12 thermal work of the conductor for supply Cu Cu design of the conductor for supply maximum permissible Contact rating of supply Cu degree of protection NEMA rating of the enclosure indoors, usable on a genera | |
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| type of electrical connection for load-side outgoing feeder Screw-type terminals | |
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| tightening torque [lbf·in] for load-side outgoing feeder 7 10 lbf·in | |
| | |
| type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 2x (20 16), 2x (18 14), 2x 12 | |
| temperature of the conductor for load-side outgoing feeder maximum permissible 60 °C | |
| material of the conductor for load-side outgoing feeder CU | |
| type of electrical connection of magnet coil Screw-type terminals | |
| tightening torque [lbf·in] at magnet coil 7 10 lbf·in | |
| type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded 2x (20 16), 2x (18 14), 2x 12 | |
| temperature of the conductor at magnet coil maximum 75 °C permissible | |
| 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 at AWG cables for auxiliary contacts single or multi- stranded 2x (20 16), 2x (18 14), 2x 12 | |
| temperature of the conductor at contactor for auxiliary 75 °C contacts maximum permissible | |
| 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 7 10 lbf·in contacts | |
| type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi- stranded 2x (20 16), 2x (18 14) | |
| temperature of the conductor at overload relay for auxiliary 70 °C | |

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| contacts maximum permissible | |
| material of the conductor at overload relay for auxiliary contacts | CU |
| Short-circuit current rating | |
| design of the fuse link for short-circuit protection of the main circuit required | Class J |
| design of the short-circuit trip | Thermal magnetic circuit breaker |
| breaking capacity maximum short-circuit current (Icu) | |
| • at 240 V | 5 kA |
| • at 480 V | 5 kA |
| • at 600 V | 5 kA |
| certificate of suitability | UL 60947-4-1 |
| Eurther information | |

Further information

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=3RE4121-5AA11-1KB0

Search Datasheet in Service&Support (Manuals)

https://support.industry.siemens.com/cs/US/en/ps/3RE4121-5AA11-1KB0/man

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RE4121-5AA11-1KB0&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4121-5AA11-1KB0/certificate

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