

STARTER, 3RE41215AA114AB0, WITH MODS



|  |                                 |
|--|---------------------------------|
| product brand name   | Siemens                         |
| product designation  | Non-reversing motor starter     |
| special product feature  | Start-Stop Push Buttons         |
| <b>General technical data</b>  |                                 |
| 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                        |
| country of origin  | Germany                         |
| <b>Power and control electronics</b>                                     |                                 |
| 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                            |
| disconnecter 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                            |
| <b>Contactors</b>  |                                 |
| 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                      |
| <b>Auxiliary contact</b>   |                                 |
| 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) |
| <b>Coil</b>  |                                 |
| apparent pick-up 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   | 3.5 ... 14 ms                   |

| Overload relay  |  |
|---|--|
| product function  |  |
| <ul style="list-style-type: none"> <li>• overload protection</li> <li>• test function</li> <li>• external reset</li> </ul>    | Yes<br>Yes<br>Yes                                      |
| reset function  | Manual, automatic and remote (with optional accessory) |
| adjustment range of thermal overload trip unit  | 11 ... 16  |
| number of NC contacts of auxiliary contacts of overload relay   | 1  |
| number of NO contacts of auxiliary contacts of overload relay   | 1  |
| contact rating of auxiliary contacts of overload relay according to UL  | 5A@600VAC (B600), 1A@250VDC (R300)                     |
| Enclosure   |  |
| degree of protection NEMA rating of the enclosure   | NEMA 1 standard size enclosure                         |
| design of the housing   | indoors, usable on a general basis                     |
| Mounting/wiring   |  |
| mounting position   | vertical   |
| fastening method  | Surface mounting and installation                      |
| type of electrical connection for supply voltage line-side  | Screw-type terminals                                   |
| tightening torque [lbf-in] for supply   | 7 ... 10 lbf-in  |
| type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded                             | 2x (20 ... 16), 2x (18 ... 14), 2x 12                  |
| temperature of the conductor for supply maximum permissible   | 60 °C  |
| material of the conductor for supply  | CU   |
| type of electrical connection for load-side outgoing feeder   | Screw-type terminals                                   |
| tightening torque [lbf-in] for load-side outgoing feeder  | 7 ... 10 lbf-in  |
| type of connectable conductor cross-sections for 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 for AWG cables single or multi-stranded                           | 2x (20 ... 16), 2x (18 ... 14), 2x 12                  |
| 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), 2x 12                  |
| 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)                         |
| temperature of the conductor at overload relay for auxiliary contacts maximum permissible                                     | 70 °C  |
| 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                       |
| maximum short-circuit current breaking capacity (I <sub>cu</sub> )  |  |
| <ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 480 V</li> <li>• at 600 V</li> </ul>                          | 5 kA<br>5 kA<br>5 kA                                   |
| certificate of suitability  | UL 60947-4-1   |
| Approvals Certificates  |  |



[Confirmation](#)



[Transport Information](#)

[Environmental Confirmations](#)

**Further information**

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

[www.usa.siemens.com/iccatalog](http://www.usa.siemens.com/iccatalog)

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=3RE4121-5AA11-4AB0>

Search Datasheet in Service&Support (Manuals)

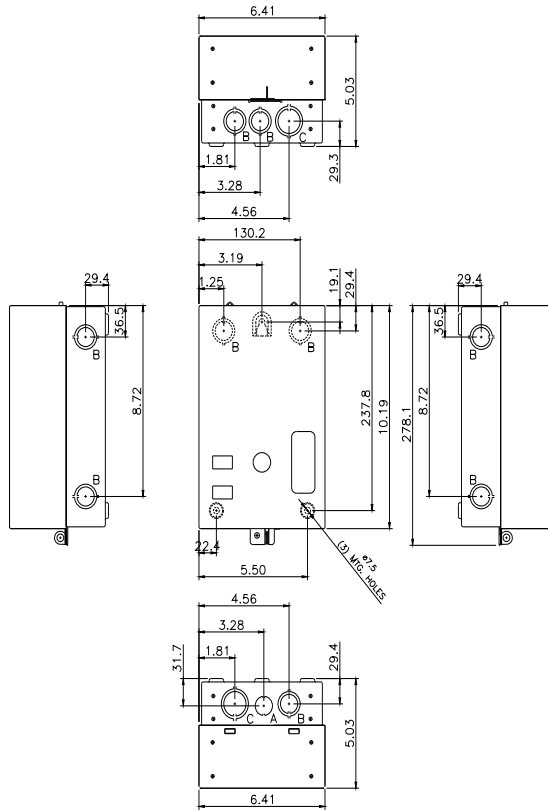
<https://support.industry.siemens.com/cs/US/en/ps/3RE4121-5AA11-4AB0/man>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RE4121-5AA11-4AB0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RE4121-5AA11-4AB0&lang=en)

Certificates/approvals

<https://support.industry.siemens.com/cs/US/en/ps/3RE4121-5AA11-4AB0/certificate>



| LETTER | KNOCKOUT & CONDUIT SIZE             |
|--------|-------------------------------------|
| A      | ø22.2 FOR 12.7 CONDUIT              |
| B      | ø22.2 X ø28.6 FOR 12.7 & 19 CONDUIT |
| C      | ø28.6 X ø34.9 FOR 19 & 25.4 CONDUIT |

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