SIEMENS

Data sheet

US2:84CUB95EDG



Duplex starter w/o alternator Size 0 Three phase full voltage Solid-state overload relay OLR amp range 0.75-3.4A Combination type Two 30A disconnect switches Encl NEMA type 4 painted steel Water/dust tight weather proof

| product brand name | Class 84 |
|---|---|
| design of the product | Duplex controller with two non-fusible disconnect switches without alternator |
| special product feature | ESP200 overload relay |
| General technical data | |
| weight [lb] | 70 lb |
| Height x Width x Depth [in] | 34 × 25 × 8 in |
| touch protection against electrical shock | NA for enclosed products |
| installation altitude [ft] at height above sea level maximum | 6560 ft |
| ambient temperature [°F] | |
| during storage | -22 +149 °F |
| during operation | -4 +104 °F |
| ambient temperature | |
| during storage | -30 +65 °C |
| during operation | -20 +40 °C |
| country of origin | USA |
| Horsepower ratings | |
| yielded mechanical performance [hp] for 3-phase AC motor | |
| • at 200/208 V rated value | 0.5 hp |
| • at 220/230 V rated value | 0.75 hp |
| • at 460/480 V rated value | 1.5 hp |
| • at 575/600 V rated value | 2 hp |
| Contactor | |
| size of contactor | NEMA controller size 0 |
| number of NO contacts for main contacts | 3 |
| operating voltage for main current circuit at AC at 60 Hz maximum | 600 V |
| operational current at AC at 600 V rated value | 18 A |
| mechanical service life (operating cycles) of the main contacts typical | 1000000 |
| Auxiliary contact | |
| number of NC contacts at contactor for auxiliary contacts | 0 |
| number of NO contacts at contactor for auxiliary contacts | 1 |
| number of total auxiliary contacts maximum | 8 |
| contact rating of auxiliary contacts of contactor according to UL | 10A@600VAC (A600), 5A@600VDC (P600) |
| Coil | |
| type of voltage of the control supply voltage | AC |
| control supply voltage | |
| • at DC rated value | 0 0 V |
| • at AC at 50 Hz rated value | 190 220 V |
| • at AC at 60 Hz rated value | 220 240 V |
| holding power at AC minimum | 8.6 W |

| apparent nick-up nower of magnet coil at AC | 218 VA |
|---|--|
| apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC | 218 VA 25 VA |
| operating range factor control supply voltage rated value of | 0.85 1.1 |
| magnet coil percental drop-out voltage of magnet coil related to the input voltage | 50 % |
| ON-delay time | 19 29 ms |
| OFF-delay time | 10 24 ms |
| Overload relay | |
| product function | |
| overload protection | Yes |
| phase failure detection | Yes |
| asymmetry detection | Yes |
| ground fault detection | Yes |
| test function | Yes |
| external reset | Yes |
| reset function | Manual, automatic and remote |
| trip class | CLASS 5 / 10 / 20 (factory set) / 30 |
| adjustable current response value current of the current- dependent overload release | 0.75 3.4 A |
| tripping time at phase-loss maximum | 3 s |
| relative repeat accuracy | 1 % |
| number of NC contacts of auxiliary contacts of overload relay | 1 |
| number of NO contacts of auxiliary contacts of overload relay | 1 |
| operational current of auxiliary contacts of overload relay | |
| • at AC at 600 V | 5 A |
| • at DC at 250 V | 1 A |
| contact rating of auxiliary contacts of overload relay according to UL | 5A@600VAC (B600), 1A@250VDC (R300) |
| insulation voltage (Ui) | |
| with single-phase operation at AC rated value | 600 V |
| | |
| with multi-phase operation at AC rated value | 300 V |
| with multi-phase operation at AC rated value Disconnect Switch | |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector | 30A / 600V |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder | 30A / 600V non-fusible |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link | 30A / 600V |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure | 30A / 600V non-fusible non-fusible |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure | 30A / 600V non-fusible non-fusible NEMA Type 4 |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing | 30A / 600V non-fusible non-fusible |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring | 30A / 600V non-fusible non-fusible NEMA Type 4 |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof Vertical Surface mounting and installation |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof Vertical Surface mounting and installation Box lug |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof Vertical Surface mounting and installation Box lug 35 35 lbf-in |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof Vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof Vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor for supply maximum permissible material of the conductor for supply | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof Vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf-in |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor for supply maximum permissible material of the conductor for supply type of electrical connection for supply type of electrical connection for supply maximum permissible material of the conductor for supply | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof Vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals |
| with multi-phase operation at AC rated value Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded | 30A / 600V non-fusible non-fusible NEMA Type 4 dustproof, waterproof & weatherproof Vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf-in |
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| tightening torque [lbf·in] at contactor for auxiliary contacts | 10 15 lbf·in |
|--|---|
| type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded | 1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG) |
| 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 14 AWG) |
| temperature of the conductor at overload relay for auxiliary contacts maximum permissible | 75 °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 | 10kA@600V (Class H or K); 100kA@600V (Class R or J) |
| certificate of suitability | NEMA ICS 2; UL 508; CSA 22.2, No.14 |
| 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=US2:84CUB95EDG

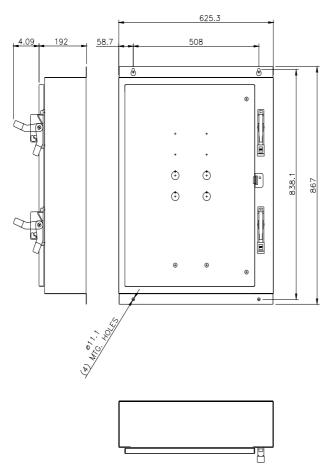
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:84CUB95EDG

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:84CUB95EDG&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:84CUB95EDG/certificate





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last modified:

1/25/2022 🖸