

Non-reversing contactor, Size 1P, Single phase full voltage, Contactor amp rating 35A, 3 wire (NO aux included), 208VAC 60Hz coil, Non-combination type, Encl. NEMA type 4X fiberglass, Water/dust tight noncorrosive, Standard width enclosure



Figure similar

| General technical data | |
|--------------------------------------------------------------|--------------------------|
| Weight [lb] | 14 lb |
| Height x Width x Depth [in] | 15 × 12 × 7 in |
| 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 |
| 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 | USA |

| Horsepower ratings | |
|------------------------------------------------------------------------------|------|
| Yielded mechanical performance [hp] for single-phase AC motor | |
| <ul style="list-style-type: none"> • at 115 V rated value | 3 hp |
| <ul style="list-style-type: none"> • at 200/208 V rated value | 5 hp |
| <ul style="list-style-type: none"> • at 220/230 V rated value | 5 hp |

- at 460/480 V rated value
- at 575/600 V rated value

0 hp

0 hp

Contactors

| | |
|-------------------------------------------------------------------------|----------|
| Number of NO contacts for main contacts | 2 |
| Operating voltage for main current circuit at AC at 60 Hz maximum | 240 V |
| Operating current at AC at 600 V rated value | 35 A |
| Mechanical service life (switching cycles) of the main contacts typical | 10000000 |

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 | |
| <ul style="list-style-type: none"> • at DC rated value • at AC at 60 Hz rated value • at AC at 50 Hz rated value | 0 ... 0 V 208 ... 208 V 0 ... 0 V |
| Holding power at AC minimum | 8.6 W |
| Apparent pick-up power of magnet coil at AC | 218 V·A |
| Apparent holding power of magnet coil at AC | 25 V·A |
| Operating range factor control supply voltage rated value of magnet coil | 0.85 ... 1.1 |
| Percental drop-out voltage of magnet coil related to the input voltage | 50 % |
| Switch-on delay time | 19 ... 29 ms |
| Off-delay time | 10 ... 24 ms |

Enclosure

| | |
|---------------------------------------------------|----------------------------------------------|
| Degree of protection NEMA rating of the enclosure | NEMA 4X fiberglass enclosure |
| Design of the housing | Dust-tight, watertight & corrosion resistant |

Mounting/wiring

| | |
|------------------------------------------------------------|-----------------------------------|
| (mounting position) | Vertical |
| (mounting type) | Surface mounting and installation |
| Type of electrical connection for supply voltage line-side | Screw-type terminals |
| Tightening torque [lbf·in] for supply | 45 ... 45 lbf·in |

| | |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Type of connectable conductor cross-sections at line-side at AWG conductors single or multi-stranded | 1x (14 ... 2 AWG) |
| Temperature of the conductor for supply maximum permissible | 75 °C |
| Material of the conductor for supply | AL or CU |
| Type of electrical connection for load-side outgoing feeder | Screw-type terminals |
| Tightening torque [lbf-in] for load-side outgoing feeder | 45 ... 45 lbf-in |
| Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded | 1x (14 ... 2 AWG) |
| Temperature of the conductor for load-side outgoing feeder maximum permissible | 75 °C |
| Material of the conductor for load-side outgoing feeder | AL or CU |
| Type of electrical connection of magnet coil | Screw-type terminals |
| Tightening torque [lbf-in] at magnet coil | 5 ... 12 lbf-in |
| Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi-stranded | 2x (16 ... 12 AWG) |
| Temperature of the conductor at magnet coil maximum permissible | 75 °C |
| Material of the conductor at magnet coil | CU |
| Type of electrical connection at contactor for auxiliary contacts | Screw-type terminals |
| Tightening torque [lbf-in] at contactor for auxiliary contacts | 10 ... 15 lbf-in |
| Type of connectable conductor cross-sections at contactor at AWG conductors 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 |

| 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) |
| Design of the short-circuit trip | Thermal magnetic circuit breaker |
| Maximum short-circuit current breaking capacity (Icu) <ul style="list-style-type: none"> • at 240 V • at 480 V • at 600 V | 14 A 10 A 10 A |

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=US2:40EP12FD>

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

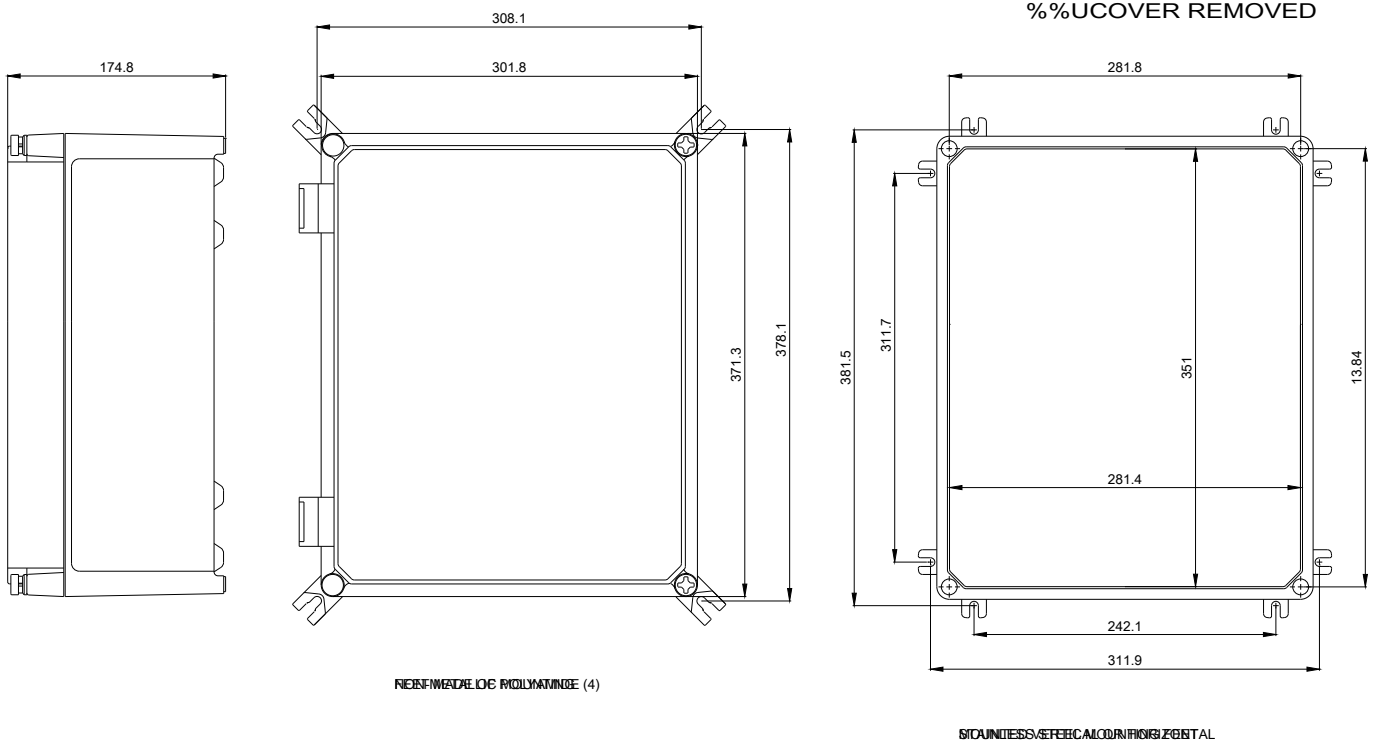
<https://support.industry.siemens.com/cs/US/en/ps/US2:40EP12FD>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:40EP12FD&lang=en

Certificates/approvals

<https://support.industry.siemens.com/cs/US/en/ps/US2:40EP12FD/certificate>



%%uWIRING DIAGRAM



D29277001

last modified:

05/08/2019