SIEMENS

Data sheet US2:17FP92BJ1391



Non-reversing motor starter Size 2 Three phase full voltage Amb compensate bimetal OLrelay Contactor amp rating 45Amp 24VAC 50-60HZ coil Combination type 60Amp fusible disconnect 60Amp / 600V fuse clip Enclosure NEMA type 1 Indoor general purpose use Standard width enclosure

Figure similar

| General technical data | | |
|--|--------------------------|--|
| Weight [lb] | 35 lb | |
| Height x Width x Depth [in] | 24 × 11 × 8 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 | |

Vielded mechanical performance [hp] for three-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value 25 hp

| ● at 575/600 V rated value | 25 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 current at AC at 600 V rated value | 45 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 | 7 | |
| 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 60 Hz rated value | 24 24 V | |
| • at AC at 50 Hz rated value | 24 24 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 | |
| Overload relay | | |
| Product function | | |
| Overload protection | Yes | |
| Test function | Yes | |
| External reset | Yes | |
| Reset function | Manual and automatic | |
| Adjustment range of thermal overload trip unit | 0.85 1.15 | |
| Number of NC contacts of auxiliary contacts of overload relay | 1 | |
| Number of NO contacts of auxiliary contacts of overload relay | 1 | |

| Operating current of auxiliary contacts of overload relay | |
|--|-------------------------------------|
| • at AC at 600 V | 10 A |
| • at DC at 250 V | 5 A |
| Contact rating of auxiliary contacts of overload relay according to UL | 10A@600VAC (A600), 5A@250VDC (P300) |

| Disconnect Switch | |
|--|--------------------|
| Rated response values of switch disconnector | 60A / 600V |
| Design of fuse holder | Class R fuse clips |
| Operating class of the fuse link | Class R |

| Enclosure | |
|---|----------------------------|
| Degree of protection NEMA rating of the enclosure | NEMA Type 1 |
| Design of the housing | Indoor general purpose use |

| Mounting/wiring | | |
|---|---|--|
| (mounting position) | vertical | |
| (mounting type) | Surface mounting and installation | |
| Type of electrical connection for supply voltage lineside | Box lug | |
| Tightening torque [lbf·in] for supply | 35 35 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 | 35 50 lbf·in | |
| 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 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 |
|--|----------------------|
| Type of electrical connection at overload relay for auxiliary contacts | Screw-type terminals |
| Tightening torque [lbf·in] at overload relay for auxiliary contacts | 5 12 lbf·in |
| Type of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded | 2x (16 12 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)

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=US2:17FP92BJ1391

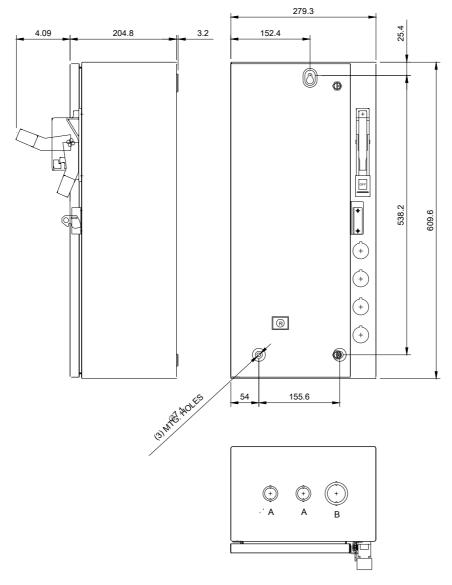
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17FP92BJ1391

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17FP92BJ1391&lang=en

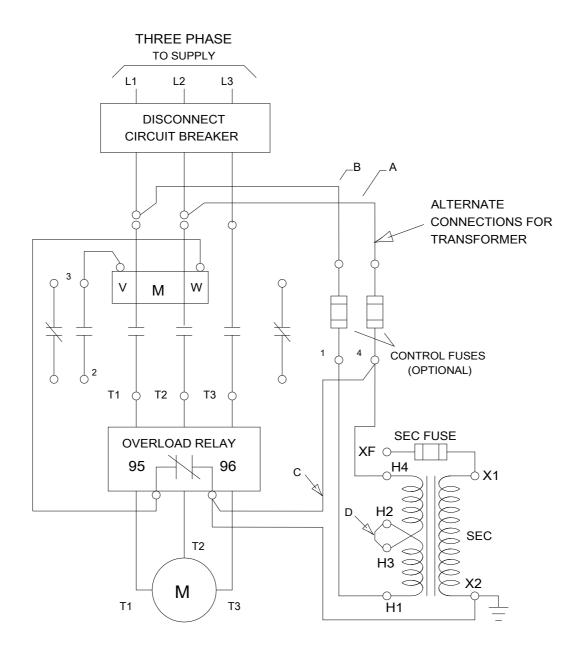
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17FP92BJ1391/certificate



\LCONDUITS TYP. TOP & BOTTOM

| LETTER | CONDUIT SIZE |
|--------|-------------------------|
| Α | %%C12.7 & %%C19 CONDUIT |
| В | Ø25.4 & Ø31.8 CONDUIT |



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