SIEMENS

Data sheet US2:17FP92BG1291



Non-reversing motor starter Size 2 Three phase full voltage Amb compensate bimetal OLrelay Contactor amp rating 45Amp Combination type 60Amp fusible disconnect 60Amp / 250V 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	

Yielded 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	600 V	
Hz maximum		
Operating current at AC at 600 V rated value	45 A	
Mechanical service life (switching cycles) of the main	10000000	
contacts typical		
Auxiliary contact		
Number of NC contacts at contactor for auxiliary	0	
contacts		
Number of NO contacts at contactor for auxiliary	1.	
contacts		
Number of total auxiliary contacts maximum	7	
Contact rating of auxiliary contacts of contactor	10A@600VAC (A600), 5A@600VDC (P600)	
according to UL		
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 	220 240 V	
• at AC at 50 Hz rated value	190 220 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	0.85 1.1	
value of magnet coil		
Percental drop-out voltage of magnet coil related to	50 %	
the input voltage		
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	1	
overload relay		
Number of NO contacts of auxiliary contacts of	1	
overload relay		

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 / 250V	
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=US2:17FP92BG1291

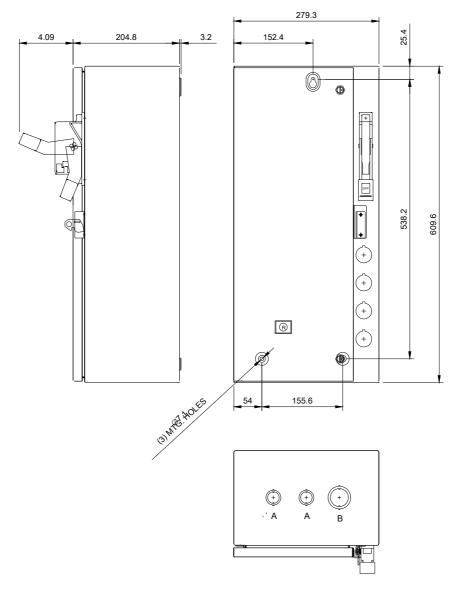
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17FP92BG1291

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17FP92BG1291&lang=en

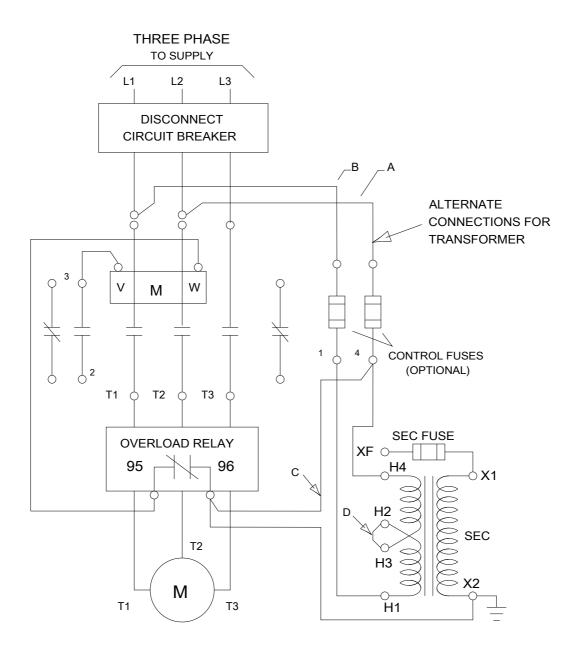
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17FP92BG1291/certificate



\LCONDUITS TYP. TOP & BOTTOM

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



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last modified: 05/08/2019