SIEMENS

Data sheet US2:17DUA92BG



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 0.25-1A, Combination type, 30A non-fusible disconnect, Enclosure NEMA type 1, Indoor general purpose use, Standard width enclosure

product brand name	Class 17 & 25
design of the product	Full-voltage non-reversing motor starter with non-fusible disconnect
special product feature	ESP200 overload relay
General technical data	
Height x Width x Depth [in]	24 × 11 × 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
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	0.17 hp
• at 220/230 V rated value	0.17 hp
 at 460/480 V rated value 	0.33 hp
• at 575/600 V rated value	0.5 hp
Contactor	
size of contactor	NEMA controller size 1
number of NO contacts for main contacts	3
operational current at AC at 600 V rated value	27 A
mechanical service life (operating 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	345VA@115VAC / 768VA@240VAC
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
• 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 pick-up power of magnet coil at AC	218 VA
apparent holding power of magnet coil at AC	25 VA
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	50 %

voltage ON-delay time 19 29 ms OFF-delay time 10 24 ms Overload relay product function	
OFF-delay time 10 24 ms Overload relay product function	
Overload relay product function	
product function	
• overload protection	
phase failure detection Yes	
• ground fault detection Yes	
 test function 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 0.25 1 A	
make time with automatic start after power failure maximum 3 s	
relative repeat accuracy 1 %	
product feature protective coating on printed-circuit board Yes	
number of NC contacts of auxiliary contacts of overload relay	
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 Insulation valters (LII)	
insulation voltage (Ui)	
with single-phase operation at AC rated value 600 V 200 V	
with multi-phase operation at AC rated value 300 V	
response value of switch disconnector 30 design of fuse holder non-fusible	
3	
operating class of the fuse link non-fusible 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 Box lug	
tightening torque [lbf-in] for supply 35 35 lbf-in	
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	
temperature of the conductor for supply maximum permissible 75 °C	
117	
material of the conductor for supply AL or CU Type of electrical connection for load side outgoing feeder. Screw type terminals	
type of electrical connection for load-side outgoing feeder Screw-type terminals Screw-type terminals	
tightening torque [lbf-in] for load-side outgoing feeder 20 24 lbf-in	
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °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 5 12 lbf-in	
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded 2	
temperature of the conductor at magnet coil maximum 75 °C permissible	
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 for AWG cables for auxiliary contacts single or multi-stranded	
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	2
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	10
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=US2:17DUA92BG

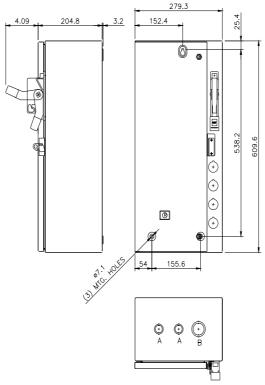
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17DUA92BG

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17DUA92BG&lang=en

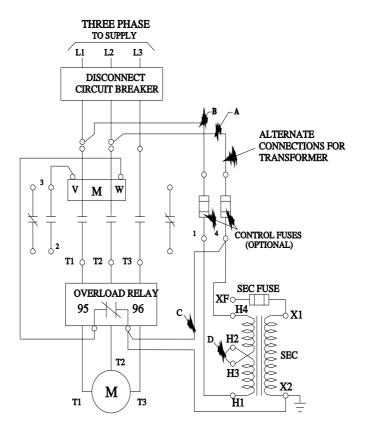
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17DUA92BG/certificate



CONDUITS TYP. TOP & BOTTOM

LETTER	CONDUIT SIZE		
Α	ø12.7 & ø19 CONDUIT		
R	ø25.4 & ø31.8 CONDUIT		



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