## SIEMENS

## Data sheet

## US2:18DUD92BF



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 5.5-22A, 110V 50Hz / 120V 60Hz coil, Combination type, 25A circuit breaker, Enclosure NEMA type 1, Indoor general purpose use, Standard width enclosure

product brand name	Class 18 & 26	
design of the product	Full-voltage non-reversing motor starter with motor circuit protector	
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]		
<ul> <li>during storage</li> </ul>	-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	3 hp	
• at 220/230 V rated value	3 hp	
• at 460/480 V rated value	7.5 hp	
• at 575/600 V rated value	10 hp	
Contactor		
size of contactor	NEMA controller size 1	
number of NO contacts for main contacts	3	
number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz	3	
number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum	3 600 V	
number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts	3 600 V 27 A	
number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical	3 600 V 27 A	
number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical Auxiliary contact	3 600 V 27 A 1000000	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz         maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts	3 600 V 27 A 10000000 0	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz         maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts	3 600 V 27 A 10000000 0 1	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz         maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts         number of total auxiliary contacts maximum	3 600 V 27 A 10000000 0 1 8	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz         maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts         number of total auxiliary contacts maximum         contact rating of auxiliary contacts of contactor according to UL	3 600 V 27 A 10000000 0 1 8	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts         number of total auxiliary contacts maximum         contact rating of auxiliary contacts of contactor according to UL	3 600 V 27 A 10000000 0 1 8 10A@600VAC (A600), 5A@600VDC (P600)	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz         maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts         number of total auxiliary contacts maximum         contact rating of auxiliary contacts of contactor according to UL         Coil         type of voltage of the control supply voltage	3 600 V 27 A 10000000 0 1 8 10A@600VAC (A600), 5A@600VDC (P600)	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz         maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts         number of total auxiliary contacts maximum         contact rating of auxiliary contacts of contactor according to UL         Coil         type of voltage of the control supply voltage         control supply voltage	3 600 V 27 A 10000000 0 1 8 10A@600VAC (A600), 5A@600VDC (P600) AC	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz         maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts         number of total auxiliary contacts maximum         contact rating of auxiliary contacts of contactor according to UL         Coil         type of voltage of the control supply voltage         control supply voltage         • at AC at 50 Hz rated value	3 600 V 27 A 10000000 0 1 8 10A@600VAC (A600), 5A@600VDC (P600) AC 110 V	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts         number of total auxiliary contacts maximum         contact rating of auxiliary contacts of contactor according to UL         Coil         type of voltage of the control supply voltage         e at AC at 50 Hz rated value         e at AC at 60 Hz rated value	3 600 V 27 A 1000000 0 1 8 10A@600VAC (A600), 5A@600VDC (P600) AC 110 V 120 V	
number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz maximum         operational current at AC at 600 V rated value         mechanical service life (operating cycles) of the main contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts         number of total auxiliary contacts maximum         contact rating of auxiliary contacts of contactor according to UL         Coil         type of voltage of the control supply voltage         e at AC at 50 Hz rated value         e at AC at 60 Hz rated value         holding power at AC minimum	3 600 V 27 A 10000000 0 1 8 10A@600VAC (A600), 5A@600VDC (P600) AC 110 V 120 V 8.6 W	

magnet coll	
magnet coil	50 %
percental drop-out voltage of magnet coil related to the input voltage	JU /0
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-	5.5 22 A
dependent overload release	
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	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)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
Enclosure	
degree of protection NEMA rating	1
	1 indoors, usable on a general basis
degree of protection NEMA rating	
degree of protection NEMA rating design of the housing	
degree of protection NEMA rating design of the housing Circuit Breaker	indoors, usable on a general basis
degree of protection NEMA rating design of the housing Circuit Breaker type of the motor protection	indoors, usable on a general basis Motor circuit protector (magnetic trip only)
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous	indoors, usable on a general basis Motor circuit protector (magnetic trip only) 25 A
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous         short-circuit trip unit	indoors, usable on a general basis Motor circuit protector (magnetic trip only) 25 A
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous         short-circuit trip unit         Mounting/wiring	indoors, usable on a general basis Motor circuit protector (magnetic trip only) 25 A 55 180 A
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position	Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous         short-circuit trip unit         Mounting/wiring         mounting position         fastening method	Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous         short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for	Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug 1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG)
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the conductor for supply maximum permissible	Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug 1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG) 75 °C
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the conductor for supply maximum permissible         material of the conductor for supply	Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug 1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG) 75 °C AL or CU
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the conductor for supply maximum permissible         material of the conductor for supply         type of electrical connection for supply maximum permissible	Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug 1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG) 75 °C AL or CU Screw-type terminals
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the 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         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor cross-sections for AWG cables	Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug 1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the 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         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder         tightening torque of the conductor for load-side outgoing feeder         tightening torque of the conductor for load-side outgoing feeder	indoors, usable on a general basis         Motor circuit protector (magnetic trip only)         25 A         55 180 A         Vertical         Surface mounting and installation         Box lug         1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG)         75 °C         AL or CU         Screw-type terminals         35 35 lbf-in         1x (14 2 AWG)
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the 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 for AWG cables for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         tightening torque fibrin] for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder	indoors, usable on a general basis         Motor circuit protector (magnetic trip only)         25 A         55 180 A         Vertical         Surface mounting and installation         Box lug         1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG)         75 °C         AL or CU         Screw-type terminals         35 35 lbf-in         1x (14 2 AWG)         75 °C
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the 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 for AWG cables for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor for supply         temperature of the conductor for load-side outgoing feeder         tupt of connectable conductor for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         tupt of connectable conductor for load-side outgoing feeder         tupt of the conductor for load-side outgoing feeder         maximum permissible         material of the conductor for load-side o	indoors, usable on a general basis         Motor circuit protector (magnetic trip only)         25 A         55 180 A         Vertical         Surface mounting and installation         Box lug         1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG)         75 °C         AL or CU         Screw-type terminals         35 35 lbf-in         1x (14 2 AWG)         75 °C         AL or CU         Screw-type terminals         35 35 lbf-in         1x (14 2 AWG)         75 °C         AL or CU
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of connectable conductor for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the conductor for supply maximum permissible         material of the conductor for supply         type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         type of the conductor for load-side outgoing feeder         type of electrical connection for load-sid	indoors, usable on a general basis         Motor circuit protector (magnetic trip only)         25 A         55 180 A         Vertical         Surface mounting and installation         Box lug         1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG)         75 °C         AL or CU         Screw-type terminals         35 35 lbf in         1x (14 2 AWG)         75 °C         AL or CU         Screw-type terminals         35 35 lbf in         1x (14 2 AWG)         75 °C         AL or CU         Screw-type terminals
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the conductor for supply maximum permissible         material of the conductor for supply         type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor for supply         type of connectable conductor for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         type of electrical connection of noad-side outgoing feeder         type of electrical connection for load-side outgoing feeder         type of electrical connection of magnet coil         tightening torque [lbf-in] at magnet coil         tightening torque [lbf-in] at magnet coil         tightening torque [lbf-in] at magnet c	indoors, usable on a general basis         Motor circuit protector (magnetic trip only)         25 A         55 180 A         Vertical         Surface mounting and installation         Box lug         1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG)         75 °C         AL or CU         Screw-type terminals         35 35 lbf-in         1x (14 2 AWG)         75 °C         AL or CU         Screw-type terminals         35 35 lbf-in         1x (14 2 AWG)         75 °C         AL or CU         Screw-type terminals         5 12 lbf-in
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the 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 for AWG cables for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         type of electrical connection of magnet coil         type of electrical connection for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         tightening torque [lbf-in] at magnet coil         type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-strand	indoors, usable on a general basis Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug 1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 35 12 lbf-in 2x (16 12 AWG)
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the 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 ross-sections for AWG cables for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         type of electrical connection of magnet coil         type of electrical connection of magnet coil         type of electrical connection for load-side outgoing feeder         tightening torque [lbf-in] at magnet coil         type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded         temperature of the conductor at magnet coil maximum permissible	indoors, usable on a general basis Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug 1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 5 12 lbf in 2x (16 12 AWG) 75 °C CU
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the 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 for AWG cables for load-side outgoing feeder single or multi-stranded         temperature of the conductor for load-side outgoing feeder         type of electrical connection of magnet coil         type of electrical connection of magnet coil         tightening torque [lbf-in] at magnet coil         type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded         temperature of the conductor at magnet coil         type of connectable conductor at magnet coil         type of connectable conductor at magnet coil         <	indoors, usable on a general basis Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug 1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG) 75 °C
degree of protection NEMA rating         design of the housing         Circuit Breaker         type of the motor protection         operational current of motor circuit breaker rated value         adjustable current response value current of instantaneous short-circuit trip unit         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded         temperature of the 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 ross-sections for AWG cables for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         type of connectable conductor for load-side outgoing feeder         type of electrical connection of magnet coil         type of electrical connection of magnet coil         type of electrical connection for load-side outgoing feeder         tightening torque [lbf-in] at magnet coil         type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded         temperature of the conductor at magnet coil maximum permissible	indoors, usable on a general basis Motor circuit protector (magnetic trip only) 25 A 55 180 A Vertical Surface mounting and installation Box lug 1x (14 AWG 10 AWG) or 1x (12 AWG 10 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 5 12 lbf in 2x (16 12 AWG) 75 °C CU Screw-type terminals

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	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 short-circuit trip	Instantaneous trip circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	100 kA
• at 480 V	100 kA
• at 600 V	25 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Eurther information	

Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

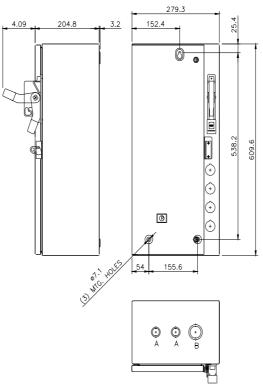
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:18DUD92BE

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

https://support.industry.siemens.com/cs/US/en/ps/US2:18DUD92Bl

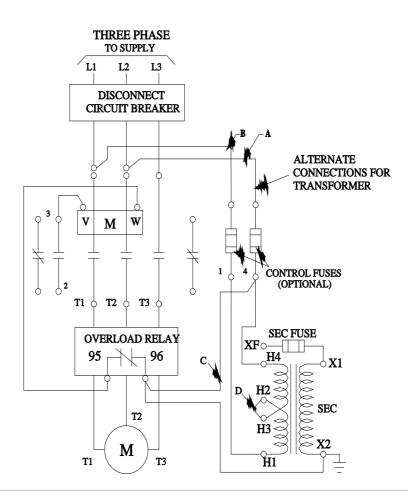
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:18DUD92BF&lang=en

Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:18DUD92BF/certificate



CONDUITS TYP. TOP & BOTTOM

LETTER	CONDUIT SIZE
A	ø12.7 & ø19 CONDUIT
B	ø25.4 & ø31.8 CONDUIT



last modified:

1/25/2022 🖸