## **SIEMENS**

Data sheet US2:82ADD6FBH



Slim Line Pump Control Panel NEMA size 1 Three phase full voltage Solid-state overload relay OLR amp range 5.5-22A 460VAC 60Hz Coil 30A fusible disconnect 30A/600V fuse clip 1NC / 1NO auxiliary contacts HOA Sel. Sw. <(>&<)> Start/Stop 3-point power terminal block 3-point control terminal block 3-point ground lug Enclosure NEMA type 3/3R Weather proof outdoor use

product brand name	Class 82
design of the product	Slim Line NEMA pump panel
special product feature	ESP200 overload relay
General technical data	
weight [lb]	23 lb
Height x Width x Depth [in]	26 × 12 × 5 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
country of origin	Mexico
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	0 hp
• at 220/230 V rated value	0 hp
• at 460/480 V rated value	10 hp
• at 575/600 V rated value	0 hp
Contactor	
size of contactor	NEMA controller size 1
size of contactor number of NO contacts for main contacts	NEMA controller size 1 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 32 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 32 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 32 A 10000000
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 32 A 10000000
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 32 A 10000000
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 32 A 10000000
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 32 A 10000000
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	3 600 V 32 A 10000000 1 1 4 A600 AC / Q600 DC
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 32 A 10000000 1 1 4 A600 AC / Q600 DC
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 32 A 10000000 1 1 4 A600 AC / Q600 DC
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 DC rated value	3 600 V  32 A 10000000  1 1 4 A600 AC / Q600 DC  AC 0 0 V

operating range factor control supply voltage rated value of	0.85 1.1
magnet coil  percental drop-out voltage of magnet coil related to the input voltage	55 %
ON-delay time	8 40 ms
OFF-delay time OFF-delay time	4 16 ms
Overload relay	T 10 III0
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 (factory set) / 20 / 30
adjustable current response value current of the current- dependent overload release	5.5 22 A
tripping time at phase-loss 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	1A
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	
with single-phase operation at AC rated value	600 V
with multi-phase operation at AC rated value	300 V
Disconnect Switch	20.4 / 600./
response value of switch disconnector	30A / 600V
response value of switch disconnector design of fuse holder	Class H fuse clips
response value of switch disconnector design of fuse holder operating class of the fuse link	
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure	Class H fuse clips Class H, J (retrofittable), K and R
response value of switch disconnector design of fuse holder operating class of the fuse link  Enclosure degree of protection NEMA rating of the enclosure	Class H fuse clips
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Standard Control Devices	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use
response value of switch disconnector design of fuse holder operating class of the fuse link  Enclosure degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices product component Hand-Off-Auto selector switch	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use
response value of switch disconnector design of fuse holder operating class of the fuse link  Enclosure degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish
response value of switch disconnector design of fuse holder operating class of the fuse link  Enclosure degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish Yes
response value of switch disconnector design of fuse holder operating class of the fuse link  Enclosure degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish Yes
response value of switch disconnector  design of fuse holder operating class of the fuse link  Enclosure degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish  Yes 30mm metal housing with matte finish
response value of switch disconnector design of fuse holder operating class of the fuse link  Enclosure degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring mounting position	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish Yes 30mm metal housing with matte finish
response value of switch disconnector design of fuse holder operating class of the fuse link  Enclosure degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring mounting position fastening method	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish Yes 30mm metal housing with matte finish  Vertical Surface mounting and installation
response value of switch disconnector  design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices  product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish Yes 30mm metal housing with matte finish  Vertical Surface mounting and installation Box lug
response value of switch disconnector  design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices  product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish Yes 30mm metal housing with matte finish  Vertical Surface mounting and installation Box lug 35 35 lbf-in
response value of switch disconnector  design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices  product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish Yes 30mm metal housing with matte finish  Vertical  Surface mounting and installation  Box lug 35 35 lbf·in  1x (14 2 AWG)
response value of switch disconnector  design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices  product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish  Yes 30mm metal housing with matte finish  Vertical  Surface mounting and installation  Box lug 35 35 lbf·in  1x (14 2 AWG)
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response value of switch disconnector  design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices  product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  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 of magnet coil tightening torque [lbf-in] at magnet coil	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish  Yes 30mm metal housing with matte finish  Vertical  Surface mounting and installation  Box lug  35 35 lbf·in  1x (14 2 AWG)  75 °C  AL or CU  Screw-type terminals  7 10 lbf·in
response value of switch disconnector design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices  product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 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 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 maximum	Class H, J (retrofittable), K and R  NEMA Type 3R Weather proof for outdoor use  Yes 30mm metal housing with matte finish Yes 30mm metal housing with matte finish  Vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 7 10 lbf-in 2x (16 12 AWG)
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response value of switch disconnector design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 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 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 maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil	Class H fuse clips Class H, J (retrofittable), K and R  NEMA Type 3R  Weather proof for outdoor use  Yes 30mm metal housing with matte finish  Yes 30mm metal housing with matte finish  Vertical  Surface mounting and installation  Box lug 35 35 lbf-in  1x (14 2 AWG)  75 °C  AL or CU  Screw-type terminals  7 10 lbf-in  2x (16 12 AWG)  75 °C  CU

temperature of the conductor at contactor for auxiliary contacts material of the conductor at contactor for auxiliary contacts  pre of electrical connection at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts tightening torque [lbf-in] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay for AWC ables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts maximum permissible tightening torque [lbf-in] for load-side outgoing feeder with screw-type terminals  type of electrical connection for load-side outgoing feeder with screw-type terminals  type of connectable conductor cross-sections for load-side outgoing feeder with screw-type terminals  type of connectable conductor cross-sections for load-side outgoing feeder with screw-type terminals single or multi-stranded  1x (18 2 AWG)  1x		
type of electrical connection at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay for AuXiliary contacts type of connectable conductor cross-sections at overload relay for AVXC cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible  material of the conductor at overload relay for auxiliary contacts  Wep of electrical connection for load-side outgoing feeder with screw-type terminals  tightening torque [bif-in] for load-side outgoing feeder with screw-type terminals  type of connectable conductor cross-sections for load-side outgoing feeder with screw-type terminals  Type of connectable conductor for load-side outgoing feeder with screw-type terminals maximum permissible  material of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible  material of the conductor for load-side outgoing feeder with screw-type terminals  type of electrical connection for control connection with screw-type terminals  type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals  type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multi-stranded  temperature of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals  type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multi-stranded  temperature of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals maximum permissible  material of the		75 °C
tightening torque [ibFin] at overload relay for auxiliary contacts type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts type of electrical connection for load-side outgoing feeder with screw-type terminals tightening torque [ibFin] for load-side outgoing feeder with screw-type terminals type of connectable conductor cross-sections for load-side outgoing feeder with screw-type terminals single or multi-stranded temperature of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible material of the conductor for load-side outgoing feeder with screw-type terminals  Type of connectable conductor for load-side outgoing feeder with screw-type terminals  Type of connectable conductor for load-side outgoing feeder with screw-type terminals  Type of connectable conductor for load-side outgoing feeder with screw-type terminals  Type of connectable conductor for load-side outgoing feeder with screw-type terminals  Type of connectable conductor for load-side outgoing feeder with screw-type terminals  Type of connectable conductor for control connection with screw-type terminals  Type of connectable conductor for control connection with screw-type terminals  Type of connectable conductor for control connection with screw-type terminals  Type of connectable conductor for control connection with screw-type terminals  Type of connectable conductor for control connection with screw-type terminals  Type of connectable conductor for control connection with screw-type terminals maximum permissible  Type of control connection with screw-type terminals maximum permissible  Type of control connection with screw-type terminals maximum permissible  Type of control connection with screw-type terminals maximum permissible  Type of control connection with screw-type terminals  Typ	material of the conductor at contactor for auxiliary contacts	CU
type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts type of electrical connection for load-side outgoing feeder with screw-type terminals stronger for load-side outgoing feeder with screw-type terminals single or multi-stranded temperature of the conductor rorss-sections for load-side outgoing feeder with screw-type terminals single or multi-stranded temperature of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible single or multi-stranded the conductor for load-side outgoing feeder with screw-type terminals maximum permissible single or multi-stranded single or control connection with screw-type terminals tightening torque [lbf-in] for control connection with screw-type terminals tightening torque [lbf-in] for control connection with screw-type terminals torque [lbf-in] for control connection with screw-type terminals torque [lbf-in] for control connection with screw-type terminals single or multi-stranded temperature of the conductor for control connection with screw-type terminals maximum permissible single or multi-stranded temperature of the conductor for control connection with screw-type terminals maximum permissible single or multi-stranded single or	71	Screw-type terminals
for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at overload relay for auxiliary contacts maximum permissible material of the conductor at overload relay for auxiliary contacts type of electrical connection for load-side outgoing feeder with screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder with screw-type terminals type of connectable conductor cross-sections for load-side outgoing feeder with screw-type terminals single or multi- stranded temperature of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible material of the conductor for load-side outgoing feeder with screw-type terminals type of electrical connection for control connection with screw-type terminals type of electrical connection for control connection with screw-type terminals type of one to the conductor for load-side outgoing feeder with screw-type terminals type of connectable conductor for control connection with screw-type terminals tightening torque [lbf-in] for control connection with screw-type terminals type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multi- stranded temperature of the conductor for control connection with screw-type terminals maximum permissible  temperature of the conductor for control connection with screw-type terminals  Screw-type terminals maximum permissible  the conductor for control connection with screw-type terminals  1x (18 2 AWG)  CU  cut (22 8 AWG)  To "C  CU  CU  CU  CU  CU  CU  CU  CU  CU	tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
contacts maximum permissible material of the conductor at overload relay for auxiliary contacts type of electrical connection for load-side outgoing feeder with screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder with screw-type terminals type of connectable conductor cross-sections for load-side outgoing feeder with screw-type terminals single or multi- stranded temperature of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible material of the conductor for load-side outgoing feeder with screw-type terminals type of electrical connection for control connection with screw-type terminals tightening torque [lbf-in] for control connection with screw-type terminals type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multi- stranded temperature of the conductor for control connection with screw-type terminals temperature of the conductor for control connection with screw-type terminals at a MWG  To "C  CU  Screw-type terminals  12 18 lbf-in  12 18 lbf-in  13 18 lbf-in  14 2 AWG)  CU  15 18 lbf-in  16 18 lbf-in  17 18 lbf-in  18 2 AWG)  CU  CU  CU  CU  CU  CU  CU  CU  CU  C		2x (20 14 AWG)
type of electrical connection for load-side outgoing feeder with screw-type terminals  tightening torque [lbf-in] for load-side outgoing feeder with screw-type terminals  type of connectable conductor cross-sections for load-side outgoing feeder with screw-type terminals single or multistranded  temperature of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible  material of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible  material of the conductor for load-side outgoing feeder with screw-type terminals  tightening torque [lbf-in] for control connection with screw-type terminals  type of electrical connection for control connection with screw-type terminals  tightening torque [lbf-in] for control connection with screw-type terminals  type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multistranded  temperature of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  NEMA ICS 2; UL 508		75 °C
tightening torque [Ibf-in] for load-side outgoing feeder with screw-type terminals single or multistranded stemperature of the conductor for load-side outgoing feeder with screw-type terminals single or multistranded stemperature of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible screw-type terminals maximum permissible screw-type terminals maximum permissible screw-type terminals single or multistranded screw-type terminals maximum permissible screw-type terminals maximum permissible screw-type terminals maximum permissible screw-type terminals scr	material of the conductor at overload relay for auxiliary contacts	CU
type of connectable conductor cross-sections for load-side outgoing feeder with screw-type terminals single or multi-stranded  1x (18 2 AWG)		Screw-type terminals
temperature of the conductor for load-side outgoing feeder with screw-type terminals maximum permissible  material of the conductor for load-side outgoing feeder with screw-type terminals  type of electrical connection for control connection with screw-type terminals  tightening torque [lbf-in] for control connection with screw-type terminals  type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multi-stranded  temperature of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals single or multi-stranded  temperature of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  NEMA ICS 2; UL 508		24 32 lbf-in
screw-type terminals maximum permissible  material of the conductor for load-side outgoing feeder with screw-type terminals  type of electrical connection for control connection with screw-type terminals  tightening torque [lbf-in] for control connection with screw-type terminals  type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multi-stranded  temperature of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  NEMA ICS 2; UL 508	outgoing feeder with screw-type terminals single or multi-	1x (18 2 AWG)
type of electrical connection for control connection with screw-type terminals  tightening torque [lbf-in] for control connection with screw-type terminals  type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multi-stranded  temperature of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  Screw-type terminals  12 18 lbf-in  1x (22 8 AWG)  75 °C  CU  CU  NEMA ICS 2; UL 508		75 °C
tightening torque [lbf-in] for control connection with screw-type terminals  type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multistranded  temperature of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  12 18 lbf-in  1x (22 8 AWG)  75 °C  CU  CU  NEMA ICS 2; UL 508		CU
terminals  type of connectable conductor cross-sections for AWG cables for control connection with screw-type terminals single or multi-stranded  temperature of the conductor for control connection with screw-type terminals maximum permissible  material of the conductor for control connection with screw-type terminals  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  NEMA ICS 2; UL 508	71	Screw-type terminals
for control connection with screw-type terminals single or multi- stranded  temperature of the conductor for control connection with screw- type terminals maximum permissible  material of the conductor for control connection with screw-type terminals  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  NEMA ICS 2; UL 508		12 18 lbf-in
type terminals maximum permissible  material of the conductor for control connection with screw-type terminals  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  NEMA ICS 2; UL 508	for control connection with screw-type terminals single or multi-	1x (22 8 AWG)
terminals  Short-circuit current rating  design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  NEMA ICS 2; UL 508		75 °C
design of the fuse link for short-circuit protection of the main circuit required  certificate of suitability  10kA@600V (Class H or K); 100kA@600V (Class R or J)  NEMA ICS 2; UL 508		CU
circuit required  certificate of suitability  NEMA ICS 2; UL 508	Short-circuit current rating	
· · · · · · · · · · · · · · · · · · ·		10kA@600V (Class H or K); 100kA@600V (Class R or J)
Further information	certificate of suitability	NEMA ICS 2; UL 508
	Further information	

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

www.usa.siemens.com/iccatalog

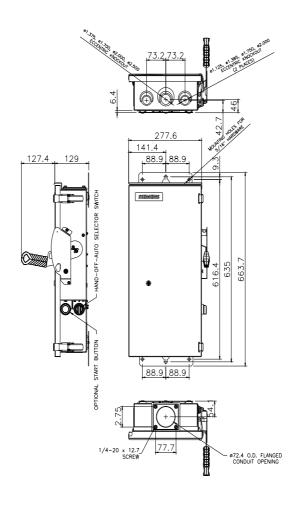
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:82ADD6FBH

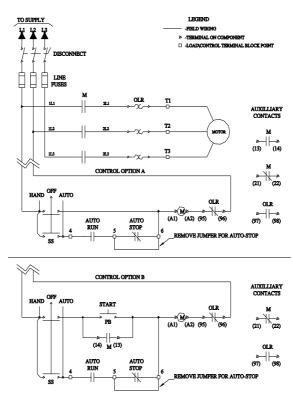
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:82ADD6FBH

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:82ADD6FBH&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:82ADD6FBH&lang=en</a>

Certificates/approvals
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last modified: 1/25/2022 🖸

