## **SIEMENS**

Data sheet US2:22GP32BJ81



Reversing motor starter, Size 2 1/2, Three phase full voltage, Amb. compensate bimetal OLR, Contactor amp rating 60A, 24VAC 50-60Hz coil, Non-combination type, Enclosure type 1, Indoor general purpose use

Figure similar

product brand name	Class 14 & 22
design of the product	Full-voltage reversing motor starter
special product feature	Half-size starter
General technical data	
weight [lb]	24.8 lb
Height x Width x Depth [in]	20 × 12 × 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
<ul> <li>during operation</li> </ul>	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	15 hp
• at 220/230 V rated value	20 hp
<ul> <li>at 460/480 V rated value</li> </ul>	30 hp
<ul><li>at 575/600 V rated value</li></ul>	30 hp
Contactor	
size of contactor	Controller half size 2 1/2
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
operational current at AC at 600 V rated value	60 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	

* all AC all 60 Hz rated value 24 V   hadring power at AC minimum 8.6 W   apparent process power of magnet coil at AC   apparent process power of magnet coil at AC   apparent noting power of magnet coil at AC   apparent power of magnet c	a at AC at EO Ha rated value	24.1/
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ON-fieldy time	percental drop-out voltage of magnet coil related to the	50 %
Overload relay  product function  • overload protection  • overload protection  • cast function  • external reset  reset function  adjustment range of thermal overload trip unit  number of NC contacts of auxiliary contacts of overload relay  number of NO contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  • at AC at 250 V  • at DC at 250 V  • at D	•	19 29 ms
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• overload protection • test function • external reset  reset function • external reset  Yes  reset function  Adjustment range of thermal overload trip unit  number of NC contacts of auxiliary contacts of overload relay  relay  number of NC contacts of auxiliary contacts of overload relay  • at AC at 600 V • at DC at 250 V  ontact rating of auxiliary contacts of overload relay  • at AC at 500 V  • at DC at 250 V  contact rating of auxiliary contacts of overload relay  • at Country  of the housing  Indoors, usable on a general basis  Mounting/wing  mounting position  fastening method  Surface mounting and installation  type of electrical connection for suppty voitage line-side gliptening torque [bif-in] for suppty  ype of electrical connection of magnet coil  type of onerectable conductor for suppty  ype of onerectable conductor at magnet coil  stype of onerectable conductor at magnet coil  where of the conductor at contactor for auxiliary contacts  ype of electrical connection for auxiliary contacts  ype of electrical connection for auxiliary contacts  ype of onerectable conductor cross-sections at overload relay for auxiliary contacts  ype of connectable conductor cross-sections at overload relay for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of connectable conductor at contactor for auxiliary contacts  ype of conne		
external reset     reset function     adjustment range of thermal overload trip unit     unumber of NC contacts of auxiliary contacts of overload     relay     operational current of auxiliary contacts of overload     relay     operational current of auxiliary contacts of overload     relay     operational current of auxiliary contacts of overload relay     • at AC at 600 V     • at DC at 250 V	•	Yes
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type of electrical connection of magnet coil  tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded  Screw-type terminals  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C  CU  Screw-type terminals  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  25 °C  CU  Screw-type terminals  26 °C  CU  Screw-type terminals  27 °C  28 °C  29 °C  20 °C  2	fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  temperature of the conductor for supply maximum permissible  material of the conductor for supply	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C
tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection 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 at AWG cables for auxiliary contacts single or multi-stranded  5 12 lbf-in  2x (16 12 AWG)  CU  Tx (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C  Cu  Screw-type terminals  75 °C  Cu  Screw-type terminals  5 12 lbf-in  2x (16 12 AWG)  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  temperature of the conductor for supply maximum permissible  material of the conductor for supply	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connectable conductor for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded  2x (16 12 AWG)  CU  Screw-type terminals  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  Tx (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  CU  Screw-type terminals  5 12 lbf-in  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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	Surface mounting and installation Box lug 45 45 lbf·in 75 °C  AL or CU Screw-type terminals 35 50 lbf·in
temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf·in] at contactor for auxiliary contacts at contactor at AWG cables for auxiliary contacts for auxiliary contacts at contact maximum permissible  material of the conductor at contactor for auxiliary contacts tightening torque [lbf·in] at overload relay for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded  75 °C  CU  Screw-type terminals  CU  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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 electrical connection of magnet coil	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals
material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multistranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection 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 at AWG cables for auxiliary contacts single or multistranded  CU  Screw-type terminals  CU  CU  Screw-type terminals  CU  Screw-type terminals  2x (16 12 AWG)  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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 electrical connection of magnet coil	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in
type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multistranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection 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 at AWG cables for auxiliary contacts single or multistranded  Screw-type terminals  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C  CU  Screw-type terminals  5 12 lbf-in  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  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 electrical connection of magnet coil  tightening torque [lbf·in] at magnet coil  type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)
tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection 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 at AWG cables for auxiliary contacts single or multi-stranded  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG)  75 °C  CU  Screw-type terminals  5 12 lbf-in  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  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 electrical connection of magnet coil  tightening torque [lbf·in] at magnet coil  type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multistranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection 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 at AWG cables for auxiliary contacts single or multistranded  1x (12 AWG), 2x (16 14 AWG)  CU  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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 electrical connection of magnet coil tightening torque [lbf·in] at magnet coil  type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil	Surface mounting and installation  Box lug  45 45 lbf·in  75 °C  AL or CU  Screw-type terminals  35 50 lbf·in  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C
at AWG cables for auxiliary contacts single or multi- stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection 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 at AWG cables for auxiliary contacts single or multi- stranded  75 °C  CU  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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 electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil type of electrical connection for auxiliary contacts	Surface mounting and installation Box lug 45 45 lbf·in 75 °C  AL or CU Screw-type terminals 35 50 lbf·in Screw-type terminals 5 12 lbf·in 2x (16 12 AWG)  75 °C  CU Screw-type terminals
contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection 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 at AWG cables for auxiliary contacts single or multi-stranded  CU  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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 electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts	Surface mounting and installation Box lug 45 45 lbf·in 75 °C  AL or CU Screw-type terminals 35 50 lbf·in Screw-type terminals 5 12 lbf·in 2x (16 12 AWG)  75 °C  CU Screw-type terminals 10 15 lbf·in
type of electrical connection 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 at AWG cables for auxiliary contacts single or multistranded  Screw-type terminals  5 12 lbf-in  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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 electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-	Surface mounting and installation Box lug 45 45 lbf·in 75 °C  AL or CU Screw-type terminals 35 50 lbf·in Screw-type terminals 5 12 lbf·in 2x (16 12 AWG)  75 °C  CU Screw-type terminals 10 15 lbf·in
tightening torque [lbf-in] at overload relay for auxiliary contacts  type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded  5 12 lbf-in  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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 electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded temperature of the conductor at contactor for auxiliary	Surface mounting and installation Box lug 45 45 lbf-in 75 °C  AL or CU Screw-type terminals 35 50 lbf-in Screw-type terminals 5 12 lbf-in 2x (16 12 AWG)  75 °C  CU Screw-type terminals 10 15 lbf-in 1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded  2x (16 12 AWG)	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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 electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible	Surface mounting and installation Box lug 45 45 lbf-in 75 °C  AL or CU Screw-type terminals 35 50 lbf-in Screw-type terminals 5 12 lbf-in 2x (16 12 AWG)  75 °C  CU Screw-type terminals 10 15 lbf-in 1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
relay at AWG cables for auxiliary contacts single or multi- stranded	fastening method  type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  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 electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection at overload relay for auxiliary	Surface mounting and installation  Box lug  45 45 lbf-in  75 °C  AL or CU  Screw-type terminals  35 50 lbf-in  Screw-type terminals  5 12 lbf-in  2x (16 12 AWG)  75 °C  CU  Screw-type terminals  10 15 lbf-in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C  CU
temperature of the conductor at overload relay for auxiliary 75 °C	fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  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 electrical connection of magnet coil  tightening torque [lbf·in] at magnet coil  type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf·in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded  temperature of the conductor at contactor for auxiliary contacts maximum permissible  material of the conductor at contactor for auxiliary contacts  type of electrical connection at overload relay for auxiliary contacts  tightening torque [lbf·in] at overload relay for auxiliary	Surface mounting and installation Box lug 45 45 lbf·in 75 °C  AL or CU Screw-type terminals 35 50 lbf·in Screw-type terminals 5 12 lbf·in 2x (16 12 AWG) 75 °C  CU Screw-type terminals 10 15 lbf·in 1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C  CU Screw-type terminals
	type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 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 electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts type of electrical connection 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 at AWG cables for auxiliary contacts single or multi-	Surface mounting and installation Box lug  45 45 lbf·in  75 °C  AL or CU Screw-type terminals  35 50 lbf·in Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU Screw-type terminals  10 15 lbf·in  1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)  75 °C  CU Screw-type terminals  10 15 lbf·in

contacts maximum permissible	
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)
design of the short-circuit trip	Thermal magnetic circuit breaker
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	14 kA
• at 480 V	10 kA
• at 600 V	10 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
From the autoformoution	

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=US2:22GP32BJ81

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

https://support.industry.siemens.com/cs/US/en/ps/US2:22GP32BJ81

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=US2:22GP32BJ81&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:22GP32BJ81&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:22GP32BJ81/certificate

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