## SIEMENS

## Data sheet

## US2:22LPU32AE



Reversing motor starter Size 5 Three phase full voltage Solid-state overload relay OLRelay amp range 55-250A 575-600V 50-60HZ/DC coil Non-combination type Enclosure type (open)

product brand name     Class 22       design of the product     Full-voltage reversing motor starter       General tochnical data     41 lb       weight [lc]     41 lb       tock protection against electrical shock     Main circuit (not finger-safe); Control circuit (finger-safe)       installation alight above sea level maximum     6660 ft       ambient temperature [°F]     62 +149 °F       • during storage     -22 +149 °F       • during storage     -30 +65 °C       • during storage     -30 +65 °C       • during storage     -30 +65 °C       • during operation     -20 +40 °F       ambient temperature     -30 +65 °C       • during operation     -20 +40 °F       arbient temperature     -30 +65 °C       • during operation     -20 +40 °F       arbient temperature     -30 +65 °C       • during operation     -20 +40 °F       arbient temperature     -30 +65 °C       • during operation     -20 +40 °F       arbient temperature     -30 +65 °C       • during storage     -20 +40 °F       arbient temperature     -30 +65 °C       • at 200/208 V rated value     200 hp       • at 200/208 V rated value     200 hp       • at 25/5000 V rated value     200 hp		
General technical data       41         weight [b]       41         touch protection against electrical shock       Main circuit (not finger-safe); Control circuit (finger-safe)         installation altitude [f] at height above sea level maximum       6660 ft         ambient temperature [*F]       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC         motor       eit 200/208 V rated value       100 hp         • at 200/208 V rated value       200 hp         Contactor       size of contactor       NEMA controller size 5         number of NO contacts for main contacts       3       600 V         operating voltage for main current circuit at AC at 60 Hz       270 A       1000000         mechanical service life (switching cycles) of the main contacts (pical       2       1000000         operating voltage of me contactor for auxiliary contacts       2       1000000         number of NC contacts at contactor for auxiliary contacts       2       1000000         number of NC contacts at contactor for auxiliary contacts       2       1000000 <tr< td=""><td>product brand name</td><td>Class 22</td></tr<>	product brand name	Class 22
weight [b]         41 lb           touch protection against electrical shock         Main circuit (not finger-safe): Control circuit (finger-safe)           installation attitude [ft] at height above sea level maximum         ambient temperature [F]           • during storage         -22 +149 "F           • during storage         -30 +65 °C           • during value         100 rc           visited mechanical performance [hp] for 3-phase AC         motor           • at 200/208 V rated value         100 hp           • at 200/208 V rated value         200 hp           • at 40/404 V rated value         200 hp           • at 40/404 V rated value         200 hp           • at 20/208 V rated value         200 hp           • at 575/600 V rated value         200 hp           operating voltage for main contacts         3           operating voltage for main current circuit at AC at 60 Hz         3           operating voltage for main current circuit at AC at 60 Hz         1000000           maximum         10000000           operating voltage cife (switching cycles) of the m	design of the product	Full-voltage reversing motor starter
Iouch protection against electrical shock       Main circuit (not finger-safe); Control circuit (finger-safe)         installation altitude [II] at height above sea level maximum       660 ft         ambient temperature ['F]       eduring operation         eduring operation       -4 +104 °F         ambient temperature       -22 +149 °F         eduring operation       -20 +65 °C         eduring operation       -20 +65 °C         eduring operation       -20 +65 °C         eduring operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC         motor       e at 220/230 V rated value       100 hp         e at 220/230 V rated value       200 hp         e at 650/480 V rated value       200 hp         e of contactor       NEMA controller size 5         number of NC contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       achtacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       <	General technical data	
installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature [°F]       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC         motor       - at 200/208 V rated value         • at 460/480 V rated value       100 hp         • at 460/480 V rated value       200 hp         Contactor       NEMA controller size 5         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       270 A         operational current at AC at 600 V rated value       270 A         number of NC contacts for main contacts       3         operational current at AC at 600 V rated value       270 A         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         totil	weight [lb]	41 lb
ambient temperature [*F]       -22 +149 "F         • during storage       -22 +149 "F         • during operation       -4 +104 "F         ambient temperature       -30 +65 *C         • during storage       -30 +65 *C         • during operation       -20 +40 °C         country of origin       USA         Horsopower ratings       USA         yielded mechanical performance [hp] for 3-phase AC motor       -         • at 220/230 V rated value       75 hp         • at 220/230 V rated value       100 hp         • at 220/230 V rated value       200 hp         Contactor       Size of contacts for main contacts         size of contacts for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operating voltage for main current circuit at AC at 60 Hz       70 A         mechanical service life (switching cycles) of the main contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2	touch protection against electrical shock	Main circuit (not finger-safe); Control circuit (finger-safe)
	installation altitude [ft] at height above sea level maximum	6560 ft
• during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during storage       -30 +40 °C         country of origin       USA         Horsepower ratings       USA         yielded mechanical performance [hp] for 3-phase AC motor       0         • at 200/208 V rated value       75 hp         • at 220/230 V rated value       200 hp         • at 460/480 V rated value       200 hp         • at 460/480 V rated value       200 hp         • at 450/480 V rated value       200 hp         • at 675/600 V rated value       200 hp         • at 575/600 V rated value       200 hp         size of contactor       NEMA controller size 5         number of NQ contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       0perational current at AC at 600 V rated value       270 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       2       1000000         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2	ambient temperature [°F]	
ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       75 hp         • at 220/230 V rated value       100 hp         • at 460/480 V rated value       200 hp         • at 460/480 V rated value       200 hp         • at 450/280 V rated value       200 hp         • at 575/600 V rated value       200 hp         contactor       NEMA controller size 5         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       0perational current at AC at 600 V rated value       270 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       2       1000000         number of NC contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2:5A@250VDC (Q300)         to UL       10A@240VAC (A300), 2:5A@250VDC (Q300)         to UL       40 roltage of the control supply voltage       AC/DC         control supply voltage       675 600 V<	<ul> <li>during storage</li> </ul>	-22 +149 °F
• during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       75 hp         • at 260/400 V rated value       200 hp         • at 60/480 V rated value       200 hp         • at 575/600 V rated value       200 hp         Contactor       NEMA controller size 5         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       270 A         mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts for maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         to UL       vibra auxiliary contacts of contactor according to UL       575 600 V	during operation	-4 +104 °F
• during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       usa         yielded mechanical performance [hp] for 3-phase AC motor       - at 200/208 V rated value         • at 200/208 V rated value       75 hp         • at 220/230 V rated value       100 hp         • at 460/480 V rated value       200 hp         Contactor       200 hp         Size of contactor for auxiliary 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       270 A         mechanical service life (switching cycles) of the main contacts to private value       1000000         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       10A@240VAC (A300), 2.5A@250VDC (Q300)         to UL       Cold       Cold         contact so the control supply voltage       AC/DC         control supply voltage       575 600 V	ambient temperature	
country of origin     USA       Horsepower ratings	<ul> <li>during storage</li> </ul>	-30 +65 °C
Interviewer ratings         Vielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       75 hp         • at 220/230 V rated value       100 hp         • at 460/480 V rated value       200 hp         • at 460/480 V rated value       200 hp         • at 575/600 V rated value       200 hp         Contactor       NEMA controller size 5         number of NC contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       0perational current at AC at 600 V rated value       270 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       48         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         to UL       total auxiliary contacts of contactor according to UL       575 600 V	<ul> <li>during operation</li> </ul>	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 4575/600 V rated value</li> </ul> <ul> <li>at 4575/600 V rated value</li> <li>200 hp</li> </ul> contactor <ul> <li>size of contacts for main contacts</li> <li>operating voltage for main current circuit at AC at 60 Hz             <ul> <li>maximum</li> <li>operating voltage for main current circuit at AC at 60 Hz             </li> <li>operating voltage for main current value</li> <li>270 A</li> <li>mechanical service life (switching cycles) of the main contacts typical</li> </ul> <ul> <li>Auxiliary contacts at contactor for auxiliary contacts</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NO contacts of contacts of contactor according to UL</li> <li>Coil</li> <li>type of voltage of the control supply voltage</li> <li>AC/DC</li> <li>control supply voltage</li> <li>et DC rated value</li> <li>575 600 V</li> </ul></li></ul>	country of origin	USA
motor        • at 200/208 V rated value       • at 220/230 V rated value       100 hp       • at 460/480 V rated value       200 hp       • at 460/480 V rated value       200 hp       • at 575/600 V rated value       200 hp        • at 575/600 V rated value       200 hp       • at DC rated value       575 600 V	Horsepower ratings	
• at 220/230 V rated value100 hp• at 460/480 V rated value200 hp• at 575/600 V rated value200 hpContactorNEMA controller size 5number of NO contacts for main contacts3operating voltage for main current circuit at AC at 60 Hz600 Vmaximum000000operational current at AC at 600 V rated value270 Amechanical service life (switching cycles) of the main contacts typical10000000Auxiliary contact2number of NC contacts at contactor for auxiliary contacts2number of NC contacts at contactor for auxiliary contacts2number of NC contacts at contactor for auxiliary contacts100@240VAC (A300), 2.5A@250VDC (Q300)contact rating of auxiliary contacts of contactor according to UL10A@240VAC (A300), 2.5A@250VDC (Q300)contol supply voltageAC/DCcontrol supply voltage4C/DC• at DC rated value575 600 V		
• at 460/480 V rated value       200 hp         • at 575/600 V rated value       200 hp         Contactor       NEMA controller size 5         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       270 A         operational current at AC at 600 V rated value       270 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil       type of voltage of the control supply voltage       AC/DC         control supply voltage       4C/DC       575 600 V	• at 200/208 V rated value	75 hp
• at 575/600 V rated value       200 hp         Contactor       NEMA controller size 5         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       270 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of volta auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil       type of voltage of the control supply voltage       AC/DC         control supply voltage       AC/DC       575 600 V	• at 220/230 V rated value	100 hp
Contactor       NEMA controller size 5         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       270 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil       4C/DC         type of voltage of the control supply voltage       AC/DC         ontrol supply voltage       4DC rated value	<ul> <li>at 460/480 V rated value</li> </ul>	200 hp
size of contactor       NEMA controller size 5         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       270 A         mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         coll       501         type of voltage of the control supply voltage       AC/DC         outrol supply voltage       575 600 V	<ul> <li>at 575/600 V rated value</li> </ul>	200 hp
number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       270 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contacts of contactor according to UL       8         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil       575 600 V	Contactor	
operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       270 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       10000000         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil          type of voltage of the control supply voltage       AC/DC         outrol supply voltage       575 600 V	size of contactor	NEMA controller size 5
maximumand the analysis of the analys	number of NO contacts for main contacts	3
mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       1000000         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil       Coil         type of voltage of the control supply voltage       AC/DC         control supply voltage       575 600 V		600 V
contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts         number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil         type of voltage of the control supply voltage         output yoltage       AC/DC         output yoltage       575 600 V	operational current at AC at 600 V rated value	270 A
number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil          type of voltage of the control supply voltage       AC/DC         control supply voltage       575 600 V		1000000
number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil       Coil         type of voltage of the control supply voltage       AC/DC         control supply voltage       575 600 V	Auxiliary contact	
number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@240VAC (A300), 2.5A@250VDC (Q300)         Coil       Coil         type of voltage of the control supply voltage       AC/DC         control supply voltage       575 600 V	number of NC contacts at contactor for auxiliary contacts	2
contact rating of auxiliary contacts of contactor according to UL     10A@240VAC (A300), 2.5A@250VDC (Q300)       Coil     type of voltage of the control supply voltage       control supply voltage     AC/DC       • at DC rated value     575 600 V	number of NO contacts at contactor for auxiliary contacts	2
to UL Coil type of voltage of the control supply voltage o at DC rated value 575 600 V	number of total auxiliary contacts maximum	8
type of voltage of the control supply voltage       AC/DC         control supply voltage		10A@240VAC (A300), 2.5A@250VDC (Q300)
control supply voltage       • at DC rated value       575 600 V	Coil	
• at DC rated value 575 600 V	type of voltage of the control supply voltage	AC/DC
	control supply voltage	
• at AC at 50 Hz rated value 575 600 V	<ul> <li>at DC rated value</li> </ul>	575 600 V
	• at AC at 50 Hz rated value	575 600 V

• at AC at 60 Hz rated value	575 600 V
holding power at AC minimum	7.4 W
apparent pick-up power of magnet coil at AC	590 VA
apparent holding power of magnet coil at AC	6.7 VA
operating range factor control supply voltage rated value	0.85 1.1
of magnet coil	
percental drop-out voltage of magnet coil related to the input voltage	60 %
ON-delay time	30 95 ms
OFF-delay time	40 80 ms
Overload relay	
product function	
<ul> <li>overload protection</li> </ul>	Yes
<ul> <li>phase failure detection</li> </ul>	Yes
<ul> <li>asymmetry detection</li> </ul>	Yes
<ul> <li>ground fault detection</li> </ul>	No
test function	Yes
external reset	No
reset function	Manual and automatic
trip class	CLASS 20
adjustable current response value current of the current- dependent overload release	55 250 A
product feature protective coating on printed-circuit board	No
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	5A@600VAC (B600), 1A@250VDC (R300)
according to UL	
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	Open device (no enclosure)
design of the housing	NA
Mounting/wiring	-
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Box lug
tightening torque [lbf·in] for supply	180 195 lbf·in
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	3/0 AWG 600 MCM (front only) or 250 500 MCM (back only) or 2x 2/0 AWG 2x 500 MCM (both front & back)
temperature of the conductor for supply maximum permissible	75 °C
type of electrical connection for load-side outgoing feeder	Box lug
tightening torque [lbf in] for load-side outgoing feeder	180 220 lbf in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	2x 2/0 AWG 500 MCM
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material of the conductor for load-side outgoing feeder	CU
type of electrical connection of magnet coil	Screw-type terminals
tightening torque [lbf·in] at magnet coil	7 10 lbf·in
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2x (18 14 AWG)
51	
coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum	2x (18 14 AWG)

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tightening torque [lbf·in] at contactor for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded	2x (20 16 AWG), 2x (18 14 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay at 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 fuse link for short-circuit protection of the main circuit required	14kA@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	14 kA
• at 600 V	14 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	
Industrial Controls - Product Overview (Catalogs, Broch	ures,)
www.usa.siemens.com/iccatalog	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/produc	t2mlfb=11S2:221 PL132AE
Service&Support (Manuals, Certificates, Characteristics,	
https://support.industry.siemens.com/cs/US/en/ps/US2:22LP	
Imana databasa (maduat imanaa, 0D dimanaian drawing	

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:22LPU32AE&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:22LPU32AE/certificate

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