## **SIEMENS**

## **Data sheet**

product brand name

STARTER,FVNR,S0,3PH,THOLR,120VAC,NEMA 1



product designation special product feature No factory installed accessories  General technical data welght [Ib] Height x Width x Depth [in] 11 x 7 x 5 in touch protection against electrical shock installation altitude [it] at height above sea level maximum ambient temperature ['F] during storage ambient temperature ['F] during operation 4 +104 "F ambient temperature during storage 3-30 +65 "C ambient temperature during operation -20 +40 "C country of origin Germany  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage at AC at 50 Hz rated value 110 V at AC at 60 Hz rated value 120 V disconnector functionality yielded mechanical performance (hp) for 3-phase AC motor at 200/208 V rated value 10 hp 10 hp 11 bp 12 bp 13 type 20 voltacts for main current circuit 20 hp 10 hp 11 type 3 type 4 type 4 type 3 type 3 type 4 t	product brand name	Sierriens
Weight [b] 8 lb Height x Width x Depth [n] 11 x 7 x 6 in touch protection against electrical shock NA for enclosed products installation altitude (ft] at height above sea level maximum 6 560 ft ambient temperature [Ff] during operation 4 +104 °F ambient temperature [Ff] during operation 4 +104 °F ambient temperature during storage -30 +65 °C ambient temperature during storage -30 +65 °C ambient temperature during operation Qermany  Power and control electronics  number of poles for main current circuit 3 3 type of voltage of the control supply voltage • at AC at 50 Hz rated value 110 V • at AC at 60 Hz rated value 120 V disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value 10 hp • at 200/208 V rated value 20 hp • at 46/04/08 V rated value 25 hp  Contactor  number of NO contacts for main contacts operating voltage of main current circuit 1 AC at 60 Hz maximum operating voltage at AC-3 rated value 25 hp  Contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum 600 V mechanical service life (operating cycles) of the main contacts typical  number of NC contacts for auxiliary contacts 1 number of NC co	product designation	Non-reversing motor starter
weight [lb] Height x Width x Depth [in] 11 x 7 x 5 in 11 x 4 x 6 in 11 x 7 x 5 in 11 x 10 x 10 x 10 x 11 x 10 x 10 x 11 x 10 x 10	special product feature	No factory installed accessories
Height x Width x Depth [in]  touch protection against electrical shock Installation altitude [ft] at height above sea level maximum ambient temperature [*F] during storage ambient temperature [*F] during storage ambient temperature during storage about temperature during storage ambient temperature during storage about temperature during storage ambient temperature during storage about temperature during storage about temperature during storage ambient temperature during storage about temperature during storage about temperature during storage about temperature during storage ambient temperature during storage about temperature du	General technical data	
touch protection against electrical shock installation altitude (II) at height above sea level maximum ambient temperature [*F] during storage	weight [lb]	8 lb
installation altitude [ft] at height above sea level maximum ambient temperature ['Ff] during storage ambient temperature ['Ff] during operation  -4 +104 "F ambient temperature during operation -20 +65 "C ambient temperature during operation -20 +40 "C country of origin  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage control supply voltage  • at AC at 50 Hz rated value • at AC at 60 Hz rated value • at AC at 60 Hz rated value • at 200/208 V rated value • at 200/208 V rated value • at 200/208 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value  contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum enable of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 10 AQ@600V(A600), 2.5A@600V(Q600) 2 201 201 201 201 201 202 203 203 204 205 205 206 207 208 208 209 209 209 209 209 209 209 209 209 209	Height x Width x Depth [in]	11 × 7 × 5 in
ambient temperature ["F] during storage	touch protection against electrical shock	NA for enclosed products
ambient temperature ("F] during operation 4+104 "F ambient temperature during storage 3-30+65 "C ambient temperature during storage 3-30+65 "C ambient temperature during operation 2-20+40 "C country of origin Germany  Power and control electronics  number of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage  • at AC at 50 Hz rated value 110 V • at AC at 50 Hz rated value 120 V  disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value 10 hp • at 220/230 V rated value 20 hp • at 460/480 V rated value 25 hp  Contactor  number of NO contacts for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts ypical number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 7 apparent holding power of magnet coil at AC 7 apparent holding power of magnet coil at AC 8.5 VA	installation altitude [ft] at height above sea level maximum	6 560 ft
ambient temperature during storage -30 +65 °C ambient temperature during operation -20 +40 °C country of origin	ambient temperature [°F] during storage	-22 +149 °F
ambient temperature during operation -20 +40 °C country of origin Germany  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage  • at AC at 50 Hz rated value 110 V  • at AC at 60 Hz rated value 120 V  disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor • at 220/220 V rated value 10 hp • at 220/230 V rated value 20 hp • at 460/480 V rated value 20 hp • at 575/600 V rated value 25 hp  Contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical  Auxillary contact number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 79 VA apparent holding power of magnet coil at AC 79 VA apparent holding power of magnet coil at AC 85.5 VA	ambient temperature [°F] during operation	-4 +104 °F
country of origin Germany  Power and control electronics  number of poles for main current circuit 3 type of voltage of the control supply voltage AC  control supply voltage  • at AC at 50 Hz rated value 110 V  • at AC at 60 Hz rated value 120 V  disconnector functionality No  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 10 hp  • at 220/230 V rated value 20 hp  • at 460/480 V rated value 20 hp  • at 4575/600 V rated value 25 hp  Contactor  number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum 600 V mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts maximum 8 contact rating of auxiliary contacts maximum 8 contact rating of auxiliary contacts maximum 8 apparent pick-up power of magnet coil at AC 79 VA apparent holding power of magnet coil at AC 8.5 VA	ambient temperature during storage	-30 +65 °C
Power and control electronics  number of poles for main current circuit  1 type of voltage of the control supply voltage  at AC at 50 Hz rated value  at AC at 60 Hz rated value  120 V  disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor  at 200/208 V rated value  10 hp  at 220/230 V rated value  10 hp  at 240/480 V rated value  20 hp  at 460/480 V rated value  20 hp  at 575/600 V rated value  25 hp  Contactor  number of NO contacts for main contacts operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts maximum 8 contact rating of auxiliary contacts for contactor according to UL  Coil apparent holding power of magnet coil at AC 79 VA apparent holding power of magnet coil at AC 8.5 VA	ambient temperature during operation	-20 +40 °C
number of poles for main current circuit  type of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  120 V  disconnector functionality  No  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value  • at 200/208 V rated value  • at 200/208 V rated value  • at 460/480 V rated value  • at 460/480 V rated value  • at 575/600 V rated value  25 hp  Contactor  number of NO contacts for main contacts operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  Coil apparent holding power of magnet coil at AC 79 VA apparent holding power of magnet coil at AC 8.5 VA	country of origin	Germany
type of voltage of the control supply voltage  at AC at 50 Hz rated value  at AC at 50 Hz rated value  tizo V  disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  at 220/208 V rated value  to hp  at 220/230 V rated value  at 220/230 V rated value  at 460/480 V rated value  at 578/600 V rated value  at 578/600 V rated value  be at 460/480 V rated value  at 578/600 V rated value  contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage for nain current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  for NO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  1 number of NO contacts for auxiliary contacts  1 number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  coil  apparent holding power of magnet coil at AC  79 VA apparent holding power of magnet coil at AC  8.5 VA	Power and control electronics	
control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  120 V  disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value  10 hp  • at 220/230 V rated value  10 hp  • at 460/480 V rated value  20 hp  • at 575/600 V rated value  25 hp  Contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum  contacts lesevice life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 7 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 7 number of NO contacts for auxiliary contacts 8 number of NO contacts for auxiliary contacts 8 number of NO contacts for auxiliary contacts 9 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO conta	number of poles for main current circuit	3
at AC at 50 Hz rated value at AC at 60 Hz rated value disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value be at 460/480 V rated value at 575/600 V rated value contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts auximum 8 contact rating of auxiliary contacts of contactor according to UL  Coil apparent holding power of magnet coil at AC 8.5 VA	type of voltage of the control supply voltage	AC
at AC at 60 Hz rated value  disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  at 200/208 V rated value  to hp  at 220/230 V rated value  at 6575/600 V rated value  to hp  at 6575/600 V rated value  20 hp  at 575/600 V rated value  25 hp  Contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts  typical  Auxiliary contact  number of NO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  1 number of total auxiliary contacts maximum  8 contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  79 VA apparent holding power of magnet coil at AC  8.5 VA	control supply voltage	
disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value 20 hp • at 575/600 V rated value 25 hp  Contactor  number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  Coil apparent holding power of magnet coil at AC 8.5 VA	• at AC at 50 Hz rated value	110 V
yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value  • at 220/230 V rated value  • at 460/480 V rated value  • at 575/600 V rated value  • at 575/600 V rated value  20 hp  • at 575/600 V rated value  25 hp  Contactor  number of NO contacts for main contacts  3 operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  1 number of NO contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  1 number of total auxiliary contacts maximum  8 contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  79 VA  apparent holding power of magnet coil at AC  8.5 VA	at AC at 60 Hz rated value	120 V
at 200/208 V rated value at 220/230 V rated value but 460/480 V rated value at 460/480 V rated value but 575/600 V rated value but 575/600 V rated value  Contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum operating voltage ife (operating cycles) of the main contacts typical  Auxiliary contact number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC  8.5 VA	disconnector functionality	No
at 220/230 V rated value at 460/480 V rated value 20 hp at 575/600 V rated value 25 hp  Contactor  number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent pick-up power of magnet co	yielded mechanical performance [hp] for 3-phase AC motor	
at 460/480 V rated value  at 575/600 V rated value  25 hp   Contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  600 V  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  8  contact rating of auxiliary contacts of contactor according to UL  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  8.5 VA	• at 200/208 V rated value	10 hp
at 575/600 V rated value  Contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts  number of total auxiliary contacts 1  number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL  Coil apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC  8.5 VA	• at 220/230 V rated value	10 hp
Contactor         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         operating voltage at AC-3 rated value maximum       600 V         mechanical service life (operating cycles) of the main contacts typical       10 000 000         Auxiliary contact       1         number of NC contacts for auxiliary contacts       1         number of total auxiliary contacts for auxiliary contacts       1         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@600V(A600), 2.5A@600V(Q600)         Coil       79 VA         apparent pick-up power of magnet coil at AC       79 VA         apparent holding power of magnet coil at AC       8.5 VA	• at 460/480 V rated value	20 hp
number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  apparent holding power of magnet coil at AC  as a 600 V  10 000 000  10 000 000  10 000 000  10 000 00	• at 575/600 V rated value	25 hp
operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  apparent holding power of magnet coil at AC  apparent holding power of magnet coil at AC  8.5 VA	Contactor	
operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  8.5 VA	number of NO contacts for main contacts	3
mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  8.5 VA		600 V
typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  8.5 VA	operating voltage at AC-3 rated value maximum	600 V
number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  8.5 VA		10 000 000
number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  10A@600V(A600), 2.5A@600V(Q600)  79 VA  8.5 VA	Auxiliary contact	
number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  8.5 VA	number of NC contacts for auxiliary contacts	1
contact rating of auxiliary contacts of contactor according to UL  10A@600V(A600), 2.5A@600V(Q600)  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  8.5 VA	number of NO contacts for auxiliary contacts	1
Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  8.5 VA	number of total auxiliary contacts maximum	8
apparent pick-up power of magnet coil at AC 79 VA apparent holding power of magnet coil at AC 8.5 VA	contact rating of auxiliary contacts of contactor according to UL	10A@600V(A600), 2.5A@600V(Q600)
apparent holding power of magnet coil at AC 8.5 VA	Coil	
	apparent pick-up power of magnet coil at AC	79 VA
operating range factor control supply voltage rated value of 0.8 1.1	apparent holding power of magnet coil at AC	8.5 VA
	operating range factor control supply voltage rated value of	0.8 1.1

Siemens

magnet coil	0.40
ON-delay time	8 40 ms
OFF-delay time	4 16 ms
Overload relay	
product function	Vac
overload protection     toot function	Yes
• test function	Yes Yes
external reset  reset function	
adjustment range of thermal overload trip unit	Manual, automatic and remote (with optional accessory)  14 20
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1
contact rating of auxiliary contacts of overload relay according to	5A@600VAC (B600), 1A@250VDC (R300)
UL	
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA 1 standard size enclosure
design of the housing	indoors, usable on a general basis
Mounting/wiring	
mounting position	vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf·in] for supply	18 21 lbf·in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (16 12), 2x (14 8)
temperature of the conductor for supply maximum permissible	60 °C
material of the conductor for supply	CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf·in] for load-side outgoing feeder	18 21 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (16 12), 2x (14 8)
temperature of the conductor for load-side outgoing feeder maximum permissible	60 °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 for AWG cables single or multi-stranded	2x (16 12), 2x (14 8)
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at contactor for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	2x (20 16), 2x (18 14)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf-in] at overload relay for auxiliary contacts	7 10 lbf-in
type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded	2x (20 16), 2x (18 14)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	70 °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	Class J
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	5 kA
• at 480 V	5 kA
• at 600 V	5 kA

## Further information

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

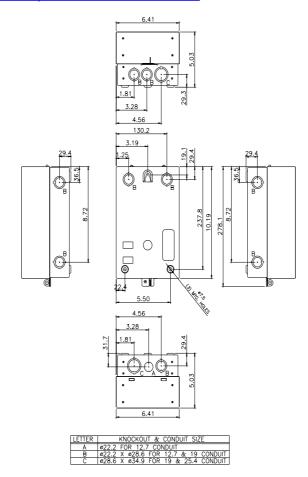
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-7AA31-4BY0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-7AA31-4BY0&lang=en</a>

Certificates/approvals

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