## **SIEMENS**

## **Data sheet**

3RE4122-4CA11-1EY0



STARTER,FVNR,S0,3PH,THOLR,24VAC,N3R/4/12

product brand name product designation Non-reversing motor starter No factory installed accessories  General technical data  weight [Ib] Height X Width X Depth [In] 12 × 10 × 6 in touch protection against electrical shock Installation altitude [If] at height above sea level maximum ountry of origin Germany  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage out at 6 at 60 Hz rated value 1 at 60 K2 at 60 Hz rated value 1 at 60 K2 at 60 Hz rated value 1 at 200/208 V rated value 1 at 200/208 V rated value 1 at 60/408 V rated value 2 at 60/408 V rated value 1 at 60/408 V rated value 1 at 60/408 V rated value 2 at 60/408 V rated value 3 hp 1 at 60/408 V rated value 600 V  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  machanical service life (operating cycles) of the main contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 3 number of NC contacts for auxiliary contacts 4 number of NC contacts for auxiliary contacts 5 operating or faverage of auxiliary contacts 6 of V V  apparent holding power of magnet coil at AC 6 operating range factor control supply voltage rated value of magnet coil 6 of V V  apparent holding power of magnet coil at AC 6 operating range factor control supply voltage rated value of magnet coil 6 of V V  apparent holding power of magnet coil at AC 6 operating range factor control supply voltage		
special product feature Genoral technical data  weight [Ib] Height x Width x Depth [in] 12 × 10 × 6 in 13 × 10 × 6 in 14 × 10 × 6 in 15 × 10 × 6 in 16 × 10 × 10 × 6 in 16 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×	product brand name	Siemens
weight [Ib] 15 lb 19 lb 15 lb 19 lb 15 lb 19 lb	product designation	Non-reversing motor starter
weight [ib] Height x Width x Deph [in] 12 x 10 x 6 in 12 x 10 x 6 in 12 x 10 x 6 in 13 x 10 x 6 in 14 x 10 x 6 in 15 x 10 x 10 x 10 x 6 in 15 x 10 x 10 x 10 x 10 x 6 in 15 x 10 x	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 of officin  country of origin  Germany  Power and control olectronics  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 • at AC at 60 Hz rated value  • at AC at 60 Hz rated value • at 20/230 V rated value • at 20/230 V rated value • at 50/6400 V rated value • at 50/6400 V rated value • at 50/600 V rated value • at 60/640 rated value • at 60/680 v rated value • at 60/6	General technical data	
touch protection against electrical shock installation altitude (fit) at height above sea level maximum 6 560 ft Coemany  Power and control electronics  number of poles for main current circuit 3  type of voltage of the control supply voltage AC  control supply voltage 4 AC  control supply voltage 5 at AC at 50 Hz rated value 24 V  at AC at 50 Hz rated value 24 V  disconnector functionality y  yielded mechanical performance (hp) for 3-phase AC motor at 200/208 V rated value 3 hp  at 200/208 V rated value 3 hp  at 200/208 V rated value 3 hp  at 575/600 V rated value 10 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  Auxiliary contact  number of NO contacts for auxiliary contacts 1  number of NO contacts for auxiliary contacts 3  contact rating of auxiliary contacts and 8  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC 6.5 VA  operating range factor control supply voltage rated value of magnet coil 0.0-4 16 ms	weight [lb]	15 lb
Installation altitude [ft] at height above sea level maximum 6 560 ft 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 24 V  • at AC at 60 Hz rated value 24 V  disconnector functionality No  vielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 3 hp  • at 250/230 V rated value 3 hp  • at 250/230 V rated value 10 hp  • at 575/600 V rated value 10 hp  Contactor  number of NO contacts for main contacts 5 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  number of NC contacts for auxilliary contacts 1 number of the contacts for auxilliary contac	Height x Width x Depth [in]	12 × 10 × 6 in
Country of origin  Power and control electronics  Inumber of poles for main current circuit  Itype of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  • at AC at 60 Hz rated value  (bisconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  • at 220/230 V rated value  • at 220/230 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  To hip  • at 575/600 V rated value  • at 30 voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  foor operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts  poperating voltage at AC-3 rated value maximum  for NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1 number of NC contacts for a	touch protection against electrical shock	NA for enclosed products
number of poles for main current circuit  1 type of voltage of the control supply voltage 24 V 24 V 24 V 3 th Cat 50 Hz rated value 25 V 3 the at AC at 50 Hz rated value 26 v 3 the at 200/208 V rated value 3 the at 200/208 V rated value 3 the at 200/208 V rated value 3 the at 250/308 V rated value 4 the 575/600 V rated value 5 the street of the s	installation altitude [ft] at height above sea level maximum	6 560 ft
number of poles for main current circuit  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  24 V  disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor  at 200/208 V rated value  at 200/208 V rated value  at 200/230 V rated value  at 575/600 V rated value  at 575/600 V rated value  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  number of NC contacts for auxiliary contacts  1 0 000 000  Auxiliary contact number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts auxiliary contacts 2 number of NC contacts for auxiliary contacts 3 number of NC contacts for auxiliary contacts 4 number of NC contacts for auxiliary contacts 5 number of NC contacts for auxiliary contacts 6 of VA 6 apparent pick-up power of magnet coil at AC 6 of VA 6 apparent holding power of magnet coil at AC 6 of VA 6 apparent holding power of magnet coil at AC 6 of VA 6 apparent holding power of magnet coil at AC 6 of VA 6 operating range factor control supply voltage rated value of magnet coil 7 on-felaly time 7 of NC on-felaly time 9 38 ms 7 or 38 ms 7 or 30	country of origin	Germany
type of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at Cat 50 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  • at 575/600 V rated value  • at 7.5 hp  • at 575/600 V rated value  • at 600 V  mumber 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  about the voltage for 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  1  10A@600V(A600), 2.5A@600V(Q600)  Coil  apparent pick-up power of magnet coil at AC  apparent pick-up power of magnet coil at AC  4  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  0.5 VA  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time	Power and control electronics	
control supply voltage  • at AC at 50 Hz rated value 24 V  • at AC at 60 Hz rated value 24 V  (disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 3 hp  • at 220/230 V rated value 3 hp  • at 460/480 V rated value 7.5 hp  • at 575/600 V rated value 10 hp  Contactor  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 anximum 8 contact rating of auxiliary contacts of contactor according to UL  Coil  apparent holding power of magnet coil at AC 6.5 VA apparent holding power of magnet coil at AC 6.5 VA operating range factor control supply voltage rated value of magnet coil 0.8 1.1 ms  OFF-delay time 9 38 ms  OFF-delay time 5.0 VA  OSA PA VA 5	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 200/208 V rated value  at 200/208 V rated value  at 460/480 V rated value  at 575/600 V rated value  to at 575/600 V rated value  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  number of total auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent pick-up power of magnet coil at AC  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time	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 220/230 V rated value  at 460/480 V rated value  at 460/480 V rated value  at 460/480 V rated value  7.5 hp  at 575/600 V rated value  10 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 NO 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 pick-up power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time  9 38 ms  OFF-delay time  4 16 ms	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 460/480 V rated value  • at 675/600 V rated value  10 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  number of NO contacts for auxiliary contacts  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  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time	<ul> <li>at AC at 50 Hz rated value</li> </ul>	24 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 55/600 V rated value  • at 575/600 V rated value  To 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  operating voltage at (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 of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time	at AC at 60 Hz rated value	24 V
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  number of NO contacts 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  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  scontact 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 operating range factor control supply voltage rated value of magnet coil ON-delay time  9 38 ms OFF-delay time  4 16 ms	disconnector functionality	No
at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value  Tontactor  number of NO contacts for main contacts aparating 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  foo 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 NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  scontact 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 operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time  4 16 ms	yielded mechanical performance [hp] for 3-phase AC motor	
at 460/480 V rated value  at 575/600 V rated value  7.5 hp  at 575/600 V rated value  7.5 hp  at 575/600 V rated value  7.5 hp  10 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  operating voltage at AC-3 rated value maximum  food V  mechanical service life (operating cycles) of the main contacts typical  Auxillary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  secontact rating of auxiliary contacts of contactor according to UL  Coll  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time	<ul><li>at 200/208 V rated value</li></ul>	3 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  operating voltage at AC-3 rated value maximum  operating voltage 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  Coll  apparent pick-up power of magnet coil at AC  operating range factor control supply voltage rated value of magnet coil  ON-delay time  10 hp  600 V  10 000 000  10 000  10 000 000  10 000 00	<ul><li>at 220/230 V rated value</li></ul>	3 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  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 operating range factor control supply voltage rated value of magnet coil  ON-delay time  OFF-delay time  5 000 V  10 000 000  10 000  10 000  10 000 000	<ul><li>at 460/480 V rated value</li></ul>	7.5 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  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Dollar apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil  ON-delay time  OFF-delay time   600 V  60	<ul><li>at 575/600 V rated value</li></ul>	10 hp
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  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  operating range factor control supply voltage rated value of magnet coil  ON-delay time  OFF-delay time  600 V  10 000 000  10 000 000  10 000 000  10 000 00	Contactor	
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 total auxiliary contacts 1 number of total auxiliary contacts 5 number of total auxiliary contacts 6 number of total auxiliary contacts 7 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 apparent pick-up power of magnet coil at AC 67 VA apparent holding power of magnet coil at AC 6.5 VA operating range factor control supply voltage rated value of magnet coil ON-delay time 9 38 ms OFF-delay time 4 16 ms	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  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  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time  4 16 ms	· · · · · · · · · · · · · · · · · · ·	600 V
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  operating range factor control supply voltage rated value of magnet coil  ON-delay time  OFF-delay time  1  1  1  1  1  1  1  1  1  1  1  1  1	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  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  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time  4 16 ms		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  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  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time  4 16 ms	Auxiliary contact	
number of total auxiliary contacts maximum  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  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time  4 16 ms	number of NC contacts for auxiliary contacts	1
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  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time  4 16 ms	number of NO contacts for auxiliary contacts	1
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 operating range factor control supply voltage rated value of magnet coil  ON-delay time 9 38 ms OFF-delay time 4 16 ms	number of total auxiliary contacts maximum	8
apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time  4 16 ms	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 operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time  4 16 ms	Coil	
operating range factor control supply voltage rated value of magnet coil  ON-delay time  9 38 ms  OFF-delay time  4 16 ms	apparent pick-up power of magnet coil at AC	67 VA
magnet coil           ON-delay time         9 38 ms           OFF-delay time         4 16 ms	apparent holding power of magnet coil at AC	6.5 VA
OFF-delay time 4 16 ms		0.8 1.1
·	ON-delay time	9 38 ms
Overload relay	OFF-delay time	4 16 ms
	Overload relay	

Approvals Certificates  General Product Ap-	
Nanyovala Cartificates	
certificate of suitability	UL 60947-4-1
• at 600 V	5 kA
• at 480 V	5 kA
• at 240 V	5 kA
maximum short-circuit current breaking capacity (Icu)	E IA
design of the short-circuit trip	Thermal magnetic circuit breaker
circuit required	
design of the fuse link for short-circuit protection of the main	Class J
Short-circuit current rating	
material of the conductor at overload relay for auxiliary conta	icts CU
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	70 °C
type of connectable conductor cross-sections at overload relation AWG cables for auxiliary contacts single or multi-stranded	
tightening torque [lbf·in] at overload relay for auxiliary contact	ts 7 10 lbf·in
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
material of the conductor at contactor for auxiliary contacts	CU
temperature of the conductor at contactor for auxiliary contact maximum permissible	cts 75 °C
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	2x (20 16), 2x (18 14)
tightening torque [lbf·in] at contactor for auxiliary contacts	7 10 lbf·in
type of electrical connection for auxiliary contacts	Screw-type terminals
material of the conductor at magnet coil	CU
temperature of the conductor at magnet coil maximum permissible	75 °C
type of connectable conductor cross-sections of magnet coil AWG cables single or multi-stranded	
tightening torque [lbf-in] at magnet coil	7 10 lbf·in
type of electrical connection of magnet coil	Screw-type terminals
material of the conductor for load-side outgoing feeder	CU
temperature of the conductor for load-side outgoing feeder maximum permissible	60 °C
type of connectable conductor cross-sections for AWG cable for load-side outgoing feeder single or multi-stranded	2x (16 12), 2x (14 8)
tightening torque [lbf·in] for load-side outgoing feeder	18 21 lbf-in 2v (16 12) 2v (14 8)
type of electrical connection for load-side outgoing feeder	Screw-type terminals
material of the conductor for supply	CU
temperature of the conductor for supply maximum permissible	
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (16 12), 2x (14 8)
tightening torque [lbf·in] for supply	18 21 lbf-in
type of electrical connection for supply voltage line-side	Screw-type terminals
fastening method	Surface mounting and installation
mounting position	vertical
Mounting/wiring	
design of the housing	Dust- & watertight for outdoor use
degree of protection NEMA rating of the enclosure	NEMA 3/3R/4/12 enclosure
UL Enclosure	
contact rating of auxiliary contacts of overload relay accordin	g to 5A@600VAC (B600), 1A@250VDC (R300)
number of NO contacts of auxiliary contacts of overload relay	y 1
number of NC contacts of auxiliary contacts of overload relay	1
adjustment range of thermal overload trip unit	2.8 4
reset function	Manual, automatic and remote (with optional accessory)
test function     external reset	Yes Yes
overload protection	Yes
product function	





## 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=3RE4122-4CA11-1EY0

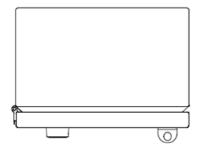
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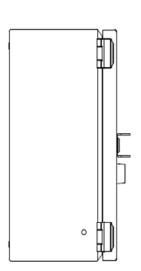
https://support.industry.siemens.com/cs/US/en/ps/3RE4122-4CA11-1EY0/man

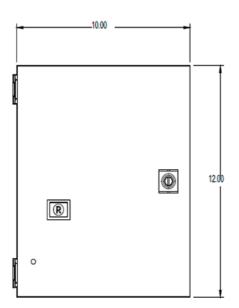
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-4CA11-1EY0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-4CA11-1EY0&lang=en</a>

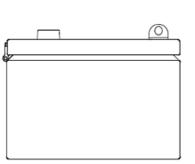
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-4CA11-1EY0/certificate









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