SIEMENS

Data sheet

3RE4122-6CA11-4EF6



STARTER, 3RE41226CA114EY0, WITH MODS

product brand name product designation special product feature Hand-Off-Auto Selector Switch Ceneral technical data weight [lb] Height x Width x Depth [in] 12 x 10 x 6 in 12 x 10 x 6 in 12 x 10 x 6 in 15 lb Height x Width x Depth [in] 12 x 10 x 6 in 16 x 10 x 10 x 10 in 17 x 10 x 10 in 18 x 10 x 10 x 10 in 18 x 10 x 10 x 10 in 18 x 10 x 10 x 10 x 10 in 18 x 10 x				
special product feature General technical data weight [b] Height x Width x Depth [in] 12 × 10 × 6 in 10 vub protection against electrical shock Installation altitude [ft] at height above sea level maximum country of origin Country of	product brand name	Siemens		
Weight [Ib] 15 Ib Height X Width X Depth [in] 12 × 10 × 6 in Itouch protection against electrical shock NA for enclosed products installation altitude [it] at height above sea level maximum 6 550 ft country of origin Germany Power and control electronics number of poles for main current circuit 3 Iype of voltage of the control supply voltage AC control supply voltage 4V at AC at 50 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value 7,5 hp at 1460/480 V rated value 15 hp at 1460/480 V rated value 20 hp at 1576/600 V rated value 20 hp at 1576/600 V rated value 20 hp contactor number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum operating voltage 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 1 number of NO contacts for auxiliary contacts 3 number of NO contacts for auxiliary c	product designation	Non-reversing motor starter		
weight [b] Height X Width X Depth [in] 12 × 10 × 6 in 13 × 10 × 6 in 14 × 10 × 6 in 15 × 10 × 6 in 15 × 10 × 6 in 16 × 10 × 6 in 16 × 10 × 6 in 17 × 10 × 6 in 18 × 10 × 6 in 18 × 10 × 10 × 6 in 18 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×	special product feature	Hand-Off-Auto Selector Switch		
Height x Width x Depth [in] 12 × 10 × 6 in touch protection against electrical shock NA for enclosed products 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 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 46/0480 V rated value • at 575/600 V rated value • at 60-23 care for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value value of auxiliary 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 1 number of total auxiliary contacts of contactor according to Ut. ON-delay time ON-delay time 4 16 ms	General technical data			
touch protection against electrical shock installation altitude (ft) at height above sea level maximum 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 • at 200/208 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 676/408 V rated value • at 676/600 V rated value • at 676/600 V rated value • at 676/600 V rated value • at 679/600 V rated value • at 67	weight [lb]	15 lb		
installation altitude [ft] at height above sea level maximum Country of origin Country of origin Country of origin Power and control electronics number of poles for main current circuit 1ype of voltage of the control supply voltage 1type of voltage of the control supply voltage 1 at AC at 50 Hz rated value 24 V 1 at AC at 50 Hz rated value 24 V 25 voltage of the control supply voltage 26 voltage of the control supply voltage 27 voltage of the control supply voltage 28 voltage of the control supply voltage 29 to at AC at 50 Hz rated value 20 disconnector functionality 20 pielded mechanical performance [hp] for 3-phase AC motor 20 at 200/208 V rated value 20 to at 200/208 V rated value 21 to 575/600 V rated value 22 to bp 23 to 460/480 V rated value 24 to 47.5 hp 25 to 47.5 hp 26 to 47.5 hp 27 to 59 to 47.5 hp 28 to 475/600 V rated value 29 to 47.5 hp 20 to	Height x Width x Depth [in]	12 × 10 × 6 in		
country of origin Germany Power and control electronics 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 24 V disconnector functionality yielded mechanical performance [np] for 3-phase AC motor • at 200/230 V rated value • at 220/230 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 60 Hz rated value • but at 60 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 75/600 V rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 75/600 V rated value • at 75/600 V rated value • at 60 Hz rated value • at 60 V rated value poperating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts by pical Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts of contactor according to UL Coll apparent pick-up power of magnet coil at AC appare	touch protection against electrical shock	NA for enclosed products		
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 50 Hz rated value 24 V • at AC at 50 Hz rated value 24 V sideconnector 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 460/480 V rated value • at 575/600 V rated value • at 600 V Contactor number of NC 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 Auxillary contact number of NC contacts for auxiliary contacts 1 number of NC 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 0 FF-delay time 4 16 ms	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 24 V st AC at 60 Hz rated value 24 V disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value 7.5 hp at 220/230 V rated value 15 hp at 675/600 V rated value 20 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 Auxillary contact number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC auxiliary contacts maximum 8 contact 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 apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 4 16 ms	country of origin	Germany		
type of voltage of the 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 220/230 V rated value 7.5 hp at 220/230 V rated value 7.5 hp at 460/480 V rated value 15 hp at 575/600 V rated value 20 hp Contactor number of NO contacts for main contacts operating voltage at AC-3 rated value maximum operating ontacts for ouxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO cont	Power and control electronics			
control supply voltage at AC at 50 Hz rated value 24 V at AC at 50 Hz rated value 24 V disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value 7.5 hp at 220/230 V rated value 7.5 hp at 480/480 V rated value 15 hp at 575/600 V rated value 20 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 at a contact rating of auxiliary contacts number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts for auxiliary contacts 1 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 apparent holding power of magnet coil at AC apparent nolding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 4 16 ms	number of poles for main current circuit	3		
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 7.5 hp at 220/230 V rated value 7.5 hp at 60/480 V rated value 15 hp at 675/600 V rated value 20 hp Contactor number of NO contacts for main contacts 3 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 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 contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts for auxiliary contacts 1 number of total 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 4.5 VA operating range factor control supply voltage rated value of magnet coil To NO-delay time 8 40 ms OFF-delay time 4 16 ms	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 7.5 hp at 220/230 V rated value 7.5 hp at 480/480 V rated value 15 hp at 575/600 V rated value 20 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 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 number of NC 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 8 contact rating of auxiliary contacts or contacts or contacts or contacts or contacts or 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 8 40 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 475/600 V rated value • at 475/600 V rated value • at 575/600 V rated value 20 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 NC contacts for auxiliary contacts 1 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 pick-up power of magnet coil at AC 79 VA apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 0 H	 at AC at 50 Hz rated value 	24 V		
yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 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 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 1 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 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 8 40 ms OFF-delay time 4 16 ms	at AC at 60 Hz rated value	24 V		
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• at 460/480 V rated value • at 575/600 V rated value 20 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 auxiliary contact number of NC contacts for auxiliary contacts 1 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 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 0 -8 1.1 ON-delay time 4 16 ms	at 200/208 V rated value	7.5 hp		
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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 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 operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 5 000 V 000 000 000 000 000 000 000 000 0	• at 460/480 V rated value	15 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 Doll 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 8 40 ms OFF-delay time 4 16 ms	at 575/600 V rated value	20 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 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 30 000 000 100 V 10	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 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 79 VA apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil ON-delay time 0FF-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 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 0FF-delay time 30 000 000 1 10 000 000 1 10 000 000 1 10 000 000 10 1	· · · · · · · · · · · · · · · · · · ·	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 operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 4 16 ms	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 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		30 000 000		
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 0FF-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 0FF-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 OFF-delay time 10A@600V(A600), 2.5A@600V(Q600) 79 VA 8.5 VA 0.8 1.1 0.8 1.1 8 40 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 operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 79 VA 8.5 VA 0.8 1.1 8 40 ms 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 8 40 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 OFF-delay time 4 16 ms	Coil			
operating range factor control supply voltage rated value of magnet coil ON-delay time OFF-delay time 0.8 1.1 8 40 ms 4 16 ms	apparent pick-up power of magnet coil at AC	79 VA		
magnet coil ON-delay time 8 40 ms OFF-delay time 4 16 ms	apparent holding power of magnet coil at AC	8.5 VA		
OFF-delay time 4 16 ms		0.8 1.1		
·	ON-delay time	8 40 ms		
Overload relay	OFF-delay time	4 16 ms		
	Overload relay			

need set from etion			-			
product function	an.		Voo			
overload protection test function	ות		Yes Yes			
test functionexternal reset			Yes			
reset function				al automatic and romate	(with optional accessory)	
	rmal avarland trip unit				e (with optional accessory)	
adjustment range of the	· · · · · · · · · · · · · · · · · · ·	vorload rolay	22 3)2		
	of auxiliary contacts of over		1			
	of auxiliary contacts of overload re-	•		00VAC (B600), 1A@250	0/DC (B300)	
UL UL	y contacts of overload re	lay according to	SAWO	00VAC (B000), TA@250	3VDC (K300)	
Enclosure						
degree of protection NE	MA rating of the enclosur	re	NEMA	3/3R/4/12 enclosure		
design of the housing			Dust- (& watertight for outdoor i	use	
Mounting/wiring						
mounting position			vertica	al .		
fastening method			Surfac	ce mounting and installat	tion	
type of electrical connec	ction for supply voltage lir	ne-side	Screw	-type terminals		
tightening torque [lbf·in]	for supply		18 2	21 lbf·in		
type of connectable cond AWG cables single or m	ductor cross-sections at l nulti-stranded	line-side for	2x (16 12), 2x (14 8)			
temperature of the cond	luctor for supply maximur	m permissible	60 °C			
material of the conducto	r for supply		CU			
type of electrical connec	ction for load-side outgoin	ng feeder	Screw-type terminals			
tightening torque [lbf·in]	for load-side outgoing fee	eder	18 2	21 lbf·in		
	ductor cross-sections for eeder single or multi-strar		2x (16 12), 2x (14 8)			
temperature of the cond maximum permissible	luctor for load-side outgoi	ing feeder	60 °C			
material of the conducto	or for load-side outgoing f	eeder	CU			
type of electrical connec	tion of magnet coil		Screw-type terminals			
tightening torque [lbf·in]	at magnet coil		7 10 lbf-in			
type of connectable cond AWG cables single or m	ductor cross-sections of a nulti-stranded	magnet coil for	2x (16 12), 2x (14 8)			
temperature of the cond permissible	luctor at magnet coil max	imum	75 °C			
material of the conducto	r at magnet coil		CU			
type of electrical connec	ction for auxiliary contacts	3		-type terminals		
tightening torque [lbf·in]	at contactor for auxiliary	contacts	7 10			
AWG cables for auxiliary	ductor cross-sections at y contacts single or multi-	-stranded	2x (20 16), 2x (18 14)			
maximum permissible	luctor at contactor for aux		75 °C			
	or at contactor for auxiliar	•	CU			
contacts	ction at overload relay for			Screw-type terminals		
tightening torque [lbf in] at overload relay for auxiliary contacts			7 10 lbf-in			
for AWG cables for auxi	ductor cross-sections at diliary contacts single or m	nulti-stranded		2x (20 16), 2x (18 14)		
contacts maximum perm			70 °C			
	or at overload relay for au	xiliary contacts	CU			
Short-circuit current rati		ć.;;				
design of the fuse link for short-circuit protection of the main circuit required			Class J			
design of the short-circuit trip		Therm	Thermal magnetic circuit breaker			
maximum short-circuit current breaking capacity (Icu)			5 l.A			
• at 240 V			5 kA			
• at 480 V			5 kA			
• at 600 V			5 kA			
certificate of suitability UL 60947-4-1						
Approvals Certificates General Product Ap-						





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=3RE4122-6CA11-4EF6

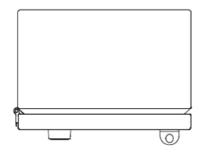
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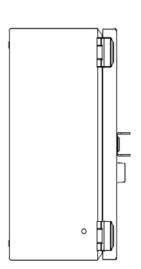
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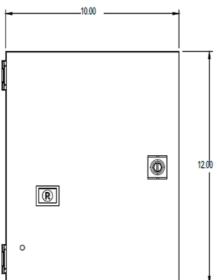
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RE4122-6CA11-4EF6&lang=en

Certificates/approvals

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