SIEMENS

Data sheet US2:LEN00E003024C



Electrically held lighting contactor, Contactor amp rating 100A, 0 N.C. / 3 N.O. Poles, 24VAC 50/60HZ coil, 1 NO / 1 NC auxiliary contacts Non-combination type, (no disconnect device), Enclosure NEMA type (open), No enclosure

design of the product special product feature Compact design; Finger safe control terminals General technical data weight [tb] Height x Width x Depth [in] 5.71 × 2.86 × 6.2 in touch protection against electrical shock installation attitude [ft] at height above sea level maximum ambient temperature [FF] • during operation ambient temperature • during operation ambient temperature • during operation ambient temperature • during operation during operation country of origin Genmany Contactor size of contacts for main contacts anumber of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts yipical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (ft pole per 1 phase) rated value • at tungsten (19 pole per 1 phase) rated value • at tungsten (2 poles per 3 phases) rated value • at ballast (2 poles per 3 phases) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (3 poles per 3 phases) rated value • at tresistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 5 phases) rated value • at resistive load (2 poles per 6 phase) rated value • at resistive load (2 poles per 6 phase) rated value • at resistive load (2 poles per 6 phase) rated value • at resistive load (2 poles per 6 phase) rated value • at resistive load (2 poles per 6 phase) rated value • at resistive load (2 poles per 6 phase) rated value • at resistive load (2 poles per 6 phase	product brand name	Class LE
weight [b] 4 lb Height x Width x Depth [in] 5.71 x 2.86 x 6.2 ln 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 ambient temperature [F] • during storage	design of the product	Electrically held lighting contactor
weight [ib] Height x Width x Depth [in] 5,71 x 2.86 x 6.2 in touch protection against electrical shock installation altitude [it] at height above sea level maximum 6560 ft ambient temperature [F] • during operation 32 104 "F • during storage • during operation 32 104 "F ambient temperature • during storage • during operation 0 40 "C country of origin Contactor size of contactor number of NC contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts typical at tungsten (2 poles per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at tesistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (4 poles per 3 phases) rated value at resistive load (6 poles per 3 phases) rated value at resistive load (6 poles per 3 phases) rated value at resistive load (6 poles per 3 phases) rated value at resistive load (7 poles per 3 phases) rated value at resistive load (7 poles per 3	special product feature	Compact design; Finger safe control terminals
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 • during operation ambient temperature • during storage • during s	General technical data	
touch protection against electrical shock installation altitude (If) at height above sea level maximum ambient temperature [*F] • during storage • during operation ambient temperature • during storage • during operation ambient temperature • during storage • during operation ambient temperature • during storage • during operation country of origin Germany Contactor size of contactor number of NO contacts for main contacts number of NO contacts for main contacts number of NO contacts for main contacts number of NO contacts for main contacts contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (3 poles per 3 phases) rated value • at tallasts (4 pole per 1 phase) rated value • at ballast (5 poles per 1 phase) rated value • at ballast (6 poles per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at ballast (7 pole per 1 phase) rated value • at cesistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at mumber of NO contacts at contact	weight [lb]	4 lb
installation altitude [ft] at height above sea level maximum ambient temperature [Ft] • during storage • during operation ambient temperature • during storage • during operation ountry of origin Contactor size of contactor number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (2 poles per 3 phases) rated value • at tungsten (1 pole per 1 phase) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (1 pole per 3 phases) rated value • at ballast (1 pole per 3 phases) rated value • at tesistive load (2 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (4 pole per lead value) • at resistive load (5 poles per 3 phases) rated value • at resistive load (6 poles per 3 phases) rated value • at resistive load (7 poles	Height x Width x Depth [in]	5.71 × 2.86 × 6.2 in
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number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (3 poles per 3 phases) rated value • at ballast (3 poles per 3 phases) rated value • at ballast (3 poles per 3 phases) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (2 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (6 poles per 3 phases) rated value • at resistive load (7 poles per 1 phase) rated value • at resistive load (8 poles per 3 phases) rated value • at resistive load (9 poles per 1 phase) rated value • at resistive load (9 poles per 1 phase) • at resistive load (9 poles per 1 phase) • at resistive load (9 poles per 1 phas	size of contactor	100 Amp
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mechanical service life (operating cycles) of the main contacts typical contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (3 poles per 1 phase) rated value • at ballast (3 poles per 1 phase) rated value • at ballast (3 poles per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (5 poles per 1 phase) rated value • at resistive load (6 poles per 1 phase) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (8 poles per 3 phases) rated value • at resistive load (7 pole per 1 phase) rated value • at resistive load (8 poles per 3 phases) rated value • at resistive load (7 poles per 1 phase) rated value • at resistive load (8 poles per 3 phases) rated value • at resistive load (8 poles per 3 phases) rated value • at resistive load (9 poles per 3 phases) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per	number of NC contacts for main contacts	0
contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value • at tungsten (1 pole per 1 phase) rated value • at tungsten (2 poles per 1 phase) rated value • at tungsten (3 poles per 3 phases) rated value • at ballast (1 pole per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 1 phase) rated value • at ballast (2 poles per 3 phases) rated value • at ballast (2 poles per 3 phases) rated value • at ballast (3 poles per 3 phases) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (2 poles per 1 phase) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (3 poles per 3 phases) rated value • at resistive load (4 pole per 1 phase) rated value • at resistive load (6 poles per 3 phases) rated value • at resistive load (7 poles per 1 phase) rated value • at resistive load (8 poles per 1 phase) rated value • at resistive load (9 poles per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 phase) rated value • at resistive load (1 pole per 1 pha		600 V
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 at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A600 / P600 	 at tungsten (1 pole per 1 phase) rated value 	100A @277V 1p 1ph
 at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3	 at tungsten (2 poles per 1 phase) rated value 	100A @480V 2p 1ph
 at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value 100A @600V 2p 1ph at resistive load (3 poles per 3 phases) rated value 100A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A600 / P600 	 at tungsten (3 poles per 3 phases) rated value 	100A @480V 3p 3ph
 at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value 100A @600V 2p 1ph at resistive load (3 poles per 3 phases) rated value 100A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A600 / P600 	 at ballast (1 pole per 1 phase) rated value 	100A @347V 1p 1ph
 at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 100A @600V 2p 1ph at resistive load (3 poles per 3 phases) rated value 100A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 14 contact rating of auxiliary contacts of contactor according to UL A600 / P600 	 at ballast (2 poles per 1 phase) rated value 	100A @600V 2p 1ph
at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value 100A @600V 2p 1ph 100A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 14 contact rating of auxiliary contacts of contactor according to UL A600 / P600	 at ballast (3 poles per 3 phases) rated value 	100A @600V 3p 3ph
at resistive load (3 poles per 3 phases) rated value 100A @600V 3p 3ph Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 14 contact rating of auxiliary contacts of contactor according to UL A600 / P600	 at resistive load (1 pole per 1 phase) rated value 	100A @347V 1p 1ph
Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 14 contact rating of auxiliary contacts of contactor according to UL A600 / P600	 at resistive load (2 poles per 1 phase) rated value 	100A @600V 2p 1ph
number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 14 contact rating of auxiliary contacts of contactor according to UL A600 / P600	 at resistive load (3 poles per 3 phases) rated value 	100A @600V 3p 3ph
number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 14 contact rating of auxiliary contacts of contactor according to UL A600 / P600	Auxiliary contact	
number of total auxiliary contacts maximum 14 contact rating of auxiliary contacts of contactor according to UL A600 / P600	number of NC contacts at contactor for auxiliary contacts	1
contact rating of auxiliary contacts of contactor according to UL A600 / P600	number of NO contacts at contactor for auxiliary contacts	1
	number of total auxiliary contacts maximum	14
Coil	contact rating of auxiliary contacts of contactor according to UL	A600 / P600
	Coil	

type of voltage of the central supply voltage	AC
type of voltage of the control supply voltage	AC
control supply voltage	001/
at DC rated value	0 0 V
at AC at 50 Hz rated value	0 0 V
at AC at 60 Hz rated value	24 24 V
apparent pick-up power of magnet coil at AC	326 VA
apparent holding power of magnet coil at AC	22 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
ON-delay time	13 50 ms
OFF-delay time	10 21 ms
Enclosure	
degree of protection NEMA rating of the enclosure	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	Screw-type terminals
tightening torque [lbf-in] for supply	26 39 lbf-in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (10 1/0 AWG), 1x (10 2/0 AWG)
temperature of the conductor for supply maximum permissible	75 °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	26 39 lbf-in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (10 1/0 AWG), 1x (10 2 AWG)
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 for AWG cables single or multi-stranded	2x (20 16 AWG), 2x (18 14 AWG)
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection at contactor 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 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
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	100kA@600V (Class J 300A max)
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	100 kA
	100 kA
• at 480 V	
• at 480 V	60 kA
• at 600 V	60 kA
	60 kA NEMA ICS 2; UL 508; CSA 22.2, No. 14





Further information

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

www.usa.siemens.com/iccatalog

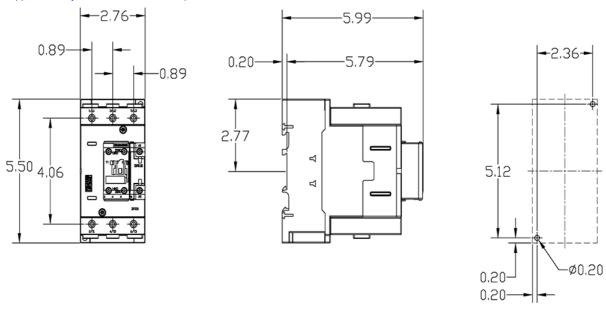
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEN00E003024C

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LEN00E003024

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:LEN00E003024C&lang=en

Certificates/approvals

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