## **SIEMENS**

Data sheet US2:17JUH92BA



Non-reversing motor starter, Size 4, Three phase full voltage, Solid-state overload relay, OLR amp range 50-200A, Combination type, 200A non-fusible disconnect, Enclosure NEMA type 1, Indoor general purpose use, Standard width enclosure

Figure similar

product brand name	Class 17 & 25
design of the product	Full-voltage non-reversing motor starter with non-fusible disconnect
special product feature	ESP200 overload relay; Dual voltage coil
General technical data	
Height x Width x Depth [in]	36 × 24 × 8 in
touch protection against electrical shock	(NA for enclosed products)
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
during storage	-22 +149 °F
<ul> <li>during operation</li> </ul>	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
<ul> <li>during operation</li> </ul>	-20 +40 °C
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	40 hp
<ul> <li>at 220/230 V rated value</li> </ul>	50 hp
• at 460/480 V rated value	100 hp
• at 575/600 V rated value	100 hp
Contactor	
size of contactor	NEMA controller size 4
number of NO contacts for main contacts	3
operational current at AC at 600 V rated value	135 A
mechanical service life (switching cycles) of the main contacts typical	5000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	7
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
at AC at 60 Hz rated value	110 240 V
holding power at AC minimum	22 W
apparent pick-up power of magnet coil at AC	510 VA
apparent holding power of magnet coil at AC	51 VA

operating range factor control supply voltage rated value of magnet coil or magnet coil or magnet coil or magnet coil or magnet coil related to the input voltage of magnetic coil related v		
input voltage  ON-delay time  18 34 ms  OFE-Gelay time  10 12 ms  Overload protection  • phase failure detection  • sysmmetry detection  • sysmmetry detection  • sysmmetry detection  • sysmmetry detection  • setternal reset  reset function  trip class  dijustable current response value current of the current- dependent overload release  make time with automatic start after power failure maximum  relative repeat accuracy  product feature protective coating on printed-circuit board relay  product feature protective coating on printed-circuit board relay  overload contacts of auxiliary contacts of overload relay  • at AC at 500 V  • at DC at 250 V  • at DC at 250 V  • with single-phase operation at AC rated value  • with multi-phase operation of according for the voluming indoors, usable on a general basis  Mounting young lift in for isod-side outgoing feeder  lightening torque [lift in] for isod-side outgoing feeder  lightening torque [lift in		0.85 1.1
ON-delay time 10 12 ms Overload relay product function		50 %
Overload rollay  Overload rollay  Product function  • overload protection • overload protection • overload protection • oyar on a saymmetry detection • oyar on a saymmetry		18 34 ms
product function  • overload protection • chase failure detection • chase failure detection • chase failure detection • cyan fault detection • cyan fault detection • cyan fault detection • cyan fault detection • cexternal reset • cyan reset function  trip class  adjustable current response value current of the current dependent overload release make time with automatic start after power failure maximum  relative repeat accuracy product feature protective coating on printed-dricuit board number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V • at DC at 250 V • at DC at 250 V • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value  operating class of the fuse link    Contacts and products of supply voltage line-side   Single fuse   Single	OFF-delay time	10 12 ms
product function  • overload protection • chase failure detection • chase failure detection • chase failure detection • cyan fault detection • cyan fault detection • cyan fault detection • cyan fault detection • cexternal reset • cyan reset function  trip class  adjustable current response value current of the current dependent overload release make time with automatic start after power failure maximum  relative repeat accuracy product feature protective coating on printed-dricuit board number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V • at DC at 250 V • at DC at 250 V • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value  operating class of the fuse link    Contacts and products of supply voltage line-side   Single fuse   Single	Overload relay	
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* asymmetry detection     * ground fault detection     * yes     * lets function     * external reset     * yes     * adjustable current response value current of the current-dependent overload release     * make time with automatic start after power failure     * make time with automatic start after power failure     * make time with automatic start after power failure     * make time with automatic start after power failure     * make time with automatic start after power failure     * make time with automatic start after power failure     * make time with automatic start after power failure     * make time with automatic start after power failure     * make time with automatic start after power failure     * product feature protective coating on printed-circuit board     * at AC at 560 V     * at DC at 250	•	
eground fault detection     external reset	•	
e test function  external reset  reset function  Manual, automatic and remote  CLASS 5 / 10 / 20 (factory set) / 30  adjustable current response value current of the current- dependent overload release  make time with automatic start after power failure  maximum  relative repeat accuracy  product feature protective coating on printed-circuit board  product feature protective coating on printed-circuit board  relay  number of NC contacts of auxiliary contacts of overload  relay  number of NO contacts of auxiliary contacts of overload  relay  at AC at 600 V  at DC at 250 V  at DC at 250 V  contact rating of auxiliary contacts of overload relay  existency  with single-phase operation at AC rated value  with multi-phase operation at AC rated value  with multi-phase operation at AC rated value  with multi-phase operation at AC rated value  operating class of the fuse link  response value of switch disconnector  design of fuse holder  operating class of the fuse link  redgree of protection NEMA rating  degree of protection for supply voltage line-side  slightening torque [Uf-In-I] or supply  temperature of the conductor for supply maximum  permissible  material of the conductor for supply maximum  permissible  maximum permissible  maximum permissible  maximum permissible  maximum permissible  maximum permissible  maximum permissible  maximum permissible  maximum permissible  maximum permissible  fixed  75 °C  To C  To C  To C  To S O A  To C  To		
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reset function trip class CLASS 5 / 10 / 20 (factory set) / 30 dajustable current response value current of the current-dependent overload release make time with automatic start after power failure maximum relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay at AC at 600 V 5 A a DC at 250 V 1 A contact rating of auxiliary contacts of overload relay at AC at 600 V 5 A a DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL insulation voltage (UI) with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value of with disconnector design of fuse holder operating class of the fuse link non-fusible non-fusible non-fusible non-fusible non-fusible faction of the fuse link non-fusible non-fusible fastening method statening method Surface mounting and installation type of electrical connection for supply voltage line-side tightening tongue (Ibril in for supply 275 275 lbril temperature of the conductor for supply maximum permissible non-fusible remaximum permissible resources for conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder auxiliary permissible resources and some conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder auxiliary permissible resources and some conductor for load-side outgoing feeder auxiliary permissible resources at a source and some conductor for load-side outgoing feeder end temperature of the conductor for load-side outgoing feeder auxiliary permissible resources and sources		
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dependent overload release maximum relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay  • at NC at 600 V • at DC at 250 V • at DC at 250 V • at DC at 250 V • with multi-phase operation at AC rated value • with single-phase operation at AC rated value • with multi-phase operation at NC rated value • with multi-phase operation of the use link  **Enclosure**  degree of protection NEMA rating  design of the housing  mounting position  fastening method  type of electrical connection for supply voltage line-side  material of the conductor for supply  temperature of the conductor for supply  type of electrical connection for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder  type of connectable conductor for supple or multi- stranded  temperature of the conductor for load-side outgoing feeder  type of connectable conductor for supply outgoing feeder  type of connectable conductor for supply maximum  permissible  To C  **C  **C  **C  **C  **C  **C  **C	•	
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number of NC contacts of auxiliary contacts of overload relay  operational current of auxiliary contacts of overload relay  • at AC at 600 V  • at DC at 250 V  contact rating of auxiliary contacts of overload relay according to UL  insulation voltage (Ui)  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with single-phase operation at AC rated value  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with response value of switch disconnector  design of fuse holder  operating class of the fuse link  Enclosure  degree of protection NEMA rating  design of the housing  mounting position  fastening method  Surface mounting and installation  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  temperature of the conductor for supply maximum  permissible  material of the conductor for load-side outgoing feeder  tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AVIC  cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder  maximum permissible  Tax (6 AWG 250 MCM)  at AC or CU  Tax (6 AWG 250 MCM)		
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perational current of auxiliary contacts of overload relay	•	1
at AC at 600 V  at DC at 250 V  contact rating of auxiliary contacts of overload relay according to UL  insulation voltage (Ui)  with single-phase operation at AC rated value  with multi-phase operation at AC rated value  with multi-phase operation at AC rated value  owith multi-phase operation at AC rated value  owo A 600V  owith multi-phase operation at AC rated value  owo A 600V		1.
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contact rating of auxiliary contacts of overload relay according to UL insulation voltage (Ui)  • with single-phase operation at AC rated value • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with single-phase operation at AC rated value  • with single-phase operation at AC rated value  • with single-phase operation at AC rated value  • wow of the multi-phase operation at AC rated value  • with single-phase operation at AC rated value  • wow over tisele  • work of the single phase operation at AC rated value  • with single-phase operation at AC rated value  • work of 600 V  • oon of with single-phase operation at AC rated value  • oon of with single-phase operation at AC rated value  • oon of with single-phase on a general basis  • oon of single-phase on on-fusible  • oon of single-phase on on-fusible  • oon of sing	• at AC at 600 V	5 A
according to UL  insulation voltage (Ui)  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  Soo V  Disconnect Switch  response value of switch disconnector  design of fuse holder operating class of the fuse link  Inclosure  degree of protection NEMA rating  design of the housing  Mounting/wiring  mounting position fastening method surface mounting and installation stype of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of electrical connection for load-side outgoing feeder stype of connectable conductor for load-side outgoing feeder stype of connectable conductor for load-side outgoing feeder maximum permissible  To C	• at DC at 250 V	1 A
with single-phase operation at AC rated value     with multi-phase operation at AC rated value     300 V  Disconnect Switch  response value of switch disconnector     design of fuse holder     operating class of the fuse link     non-fusible  Enclosure  degree of protection NEMA rating     design of the housing     indoors, usable on a general basis  Mounting/wiring  mounting position     fastening method     type of electrical connection for supply voltage line-side     tightening torque [lbf-in] for supply     temperature of the conductor for supply     type of electrical connection for load-side outgoing feeder     type of electrical connection for load-side outgoing feeder     type of connectable conductor cross-sections at AWG     cables for load-side outgoing feeder     maximum permissible  To C  To		5A@600VAC (B600), 1A@250VDC (R300)
with multi-phase operation at AC rated value    Disconnect Switch	insulation voltage (Ui)	
Disconnect Switch  response value of switch disconnector  design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating design of the housing  Mounting/wiring  mounting position fastening method supper of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply  temperature of the conductor for supply  type of electrical connection for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder  type of connectable conductor for load-side outgoing feeder maximum permissible  response value of switch disconnector non-fusible non-fusible non-fusible vertical non-fusible vertical subsection a general basis	<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
response value of switch disconnector  design of fuse holder operating class of the fuse link  Inclosure  degree of protection NEMA rating design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply material of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder maximum permissible  response value of switch disconnector non-fusible ndon-fusible nindors, usable on a general basis  vertical Surface mounting and installation Surface mounting and installation Surface mounting and installation Type of electrical connection for supply aximum permissible  AL or CU  type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible  To C	<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply ematerial of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible  non-fusible non-fusible non-fusible non-fusible non-fusible non-fusible  1  1  1  2  2  3  4  4  4  5  6  6  7  6  7  7  6  7  7  8  7  8  8  8  8  8  8  8  8  8	Disconnect Switch	
design of fuse holder operating class of the fuse link  Enclosure  degree of protection NEMA rating design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply ematerial of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible  non-fusible non-fusible non-fusible non-fusible non-fusible non-fusible  1  1  1  2  2  3  4  4  4  5  6  6  7  6  7  7  6  7  7  8  7  8  8  8  8  8  8  8  8  8	response value of switch disconnector	200A / 600V
operating class of the fuse link  Enclosure  degree of protection NEMA rating	•	
degree of protection NEMA rating design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [libf·in] for supply material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [libf·in] for load-side outgoing feeder material of the conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible  meterial of the conductor for supply  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible  1 design of the housing induors, usable on a general basis  vertical Surface mounting and installation  supply 275 275 lbf·in  75 °C  AL or CU  Box lug 200 200 lbf·in  1x (6 AWG 250 MCM)  To C		
degree of protection NEMA rating  design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply temperature of the conductor for supply material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible  1 indoors, usable on a general basis  vertical Surface mounting and installation Box lug  275 275 lbf·in  75 °C  Box lug  200 200 lbf·in  1x (6 AWG 250 MCM)  75 °C  75 °C		
design of the housing indoors, usable on a general basis    Mounting/wiring		1
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mounting position  fastening method  Surface mounting and installation  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  temperature of the conductor for supply maximum permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder and the conductor for load-side outgoing feeder  temperature of the conductor for load-side outgoing feeder  temperature of the conductor for load-side outgoing feeder maximum permissible  vertical  Surface mounting and installation  Box lug  AL or CU  Box lug  1x (6 AWG 250 MCM)  1x (6 AWG 250 MCM)		
fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  temperature of the conductor for supply maximum permissible  material of the conductor for load-side outgoing feeder  tightening torque [lbf·in] for load-side outgoing feeder  tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible  Surface mounting and installation  Box lug  75 °C  Box lug  200 200 lbf·in  1x (6 AWG 250 MCM)  Tx (6 AWG 250 MCM)		vertical
type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply  temperature of the conductor for supply maximum permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  Box lug  AL or CU  Box lug  1x (6 AWG 250 MCM)		
tightening torque [lbf-in] for supply  temperature of the conductor for supply maximum permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  275 275 lbf-in  75 °C  AL or CU  Box lug  200 200 lbf-in  1x (6 AWG 250 MCM)  75 °C		,
temperature of the conductor for supply maximum permissible  material of the conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  75 °C  AL or CU  Box lug  1x (6 AWG 250 MCM)  75 °C  75 °C		
material of the conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  AL or CU  Box lug  1x (6 AWG 250 MCM)  75 °C		
type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded temperature of the conductor for load-side outgoing feeder maximum permissible  Box lug  1x (6 AWG 250 MCM)  75 °C	permissible	
tightening torque [lbf·in] for load-side outgoing feeder  type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  200 200 lbf·in  1x (6 AWG 250 MCM)  75 °C		
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  1x (6 AWG 250 MCM)  75 °C		
cables for load-side outgoing feeder single or multi- stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  75 °C		
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C	cables for load-side outgoing feeder single or multi-	1x (6 AWG 250 MCM)
	temperature of the conductor for load-side outgoing feeder	75 °C
material of the conductor for load-side outgoing feeder CU	material of the conductor for load-side outgoing feeder	CU
type of electrical connection of magnet coil  Screw-type terminals		Screw-type terminals
tightening torque [lbf·in] at magnet coil 5 12 lbf·in		1
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded  2x (16 12 AWG)	type of connectable conductor cross-sections of magnet	2x (16 12 AWG)
temperature of the conductor at magnet coil maximum permissible 75 °C	temperature of the conductor at magnet coil maximum	75 °C

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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	10 15 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf-in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded	2x (20 14 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
certificate of suitability	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=US2:17JUH92BA

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17JUH92BA

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=US2:17JUH92BA&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17JUH92BA&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17JUH92BA/certificate

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