



Lloyd's  
Register

## Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate is issued to:

<b>PRODUCER</b>	Schneider Electric Industries SAS 31 Rue Pierre Mendès France 38050 Grenoble Cedex 9 France
<b>DESCRIPTION</b>	Contactors 3 pole and accessories
<b>TYPES</b>	Tesys D ①②③④  ①= Contactor type: LC1: single contactor LC2: reversing contactor ②= Size: D09, D12, D18, D25, D32, D38 ③= Type of connection: Blank: clamp and screw connection 3: spring terminal connection 6: ring lug connection 9: faston terminal connection

<b>Certificate No.</b>	18/20069
<b>Issue Date</b>	05 November 2018
<b>Expiry Date</b>	03 September 2022
<b>Sheet</b>	1 of 4

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS



Antje Herms-Bondzio  
Hamburg Technical Support Office  
Lloyd's Register EMEA

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**TYPES (continued)**

⊕ = Coil code:

non-electronic coils					
a.c. coils 50/60 Hz					
Coil code	Us [V]	Coil code	Us [V]	Coil code	Us [V]
J7	12	FE7	115	Q7	380
Z7	21	G7	120	V7	400
B7	24	FC7	127	N7	415
C7	32	GC7	140	R7	440
CC7	36	L7	200	T7	480
D7	42	LE7	208	S7	500
E7	48	M7	220	SC7	575
EE7	60	P7	230	X7	600
K7	100	U7	240	YC7	660
F7	110	W7	277	Y7	690
d.c. coils					
AD	6	SD	72	MD	220
ID	12	DD	96	UD	250
ZD	20	KD	100	TD	305
BD	24	FD	110	VD	348
BND	32	GD	125	RD	440
CD	36	PD	155	WD	543
ED	48	QD	174	SCD	575
ND	60	LD	200	XD	600
d.c. coils (low consumption)					
AL	5	CL	36	DL	96
IL	12	EL	48	FL	110
ZL	20	NL	60	ML	220
BL	24	SL	72	UL	250

electronic coils					
a.c. 50/60 Hz and d.c. coils					
BNE	24-60 V	EHE	48-130 V	KUE	100-250 V

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**Sheet** 2 of 4

  
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 Hamburg Technical Support Office  
 Lloyd's Register EMEA



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 Antje Herms-Bondzio  
 Hamburg Technical Support Office  
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**TYPES (continued)**

Accessories:  
Auxiliary contact block: LAD  
Control relays: CAD 32, CAD 50

**APPLICATION**

Marine, Offshore and Industry applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in LR Test Specification No. 1: July 2015.

**STANDARD**

IEC 60947-1:2007 +A1:2010 +A2:2014  
IEC 60947-4-1:2009 +A1:2012  
IEC 60947-5-1:2003 +A1:2009

**RATINGS**

3 Phase, 50/60Hz a.c.				
Type	Utilisation Category	Operational Voltage Ue [V]	Operational Current Ie [A] for $\Theta \leq 60^\circ\text{C}/U_e \leq 440\text{V}$	Thermal Current Ith [A] for $\Theta \leq 40^\circ\text{C}$ for 10s
D09	AC-3	up to 690	9	105
	AC-1	up to 690	25	
D12	AC-3	up to 690	12	105
	AC-1	up to 690	25	
D18	AC-3	up to 690	18	145
	AC-1	up to 690	32	
D25	AC-3	up to 690	25	240
	AC-1	up to 690	40	
D32	AC-3	up to 690	32	260
	AC-1	up to 690	50	
D38	AC-3	up to 690	38	310
	AC-1	up to 690	50	

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**Sheet** 3 of 4

  
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**PLACE OF PRODUCTION**

Schneider Electric France <sup>(1)</sup>  
2 rue du Pont Vert  
27109 Le Vaudreuil  
France

Schneider Electric France <sup>(2)</sup>  
20 rue de la Croix Blanche  
BP 15 Chasseneuil du Poitou  
France

PT. Schneider Electric Manufacturing Batam <sup>(3)</sup>  
Batamindo Industrial Park, Lot 4, Muka Kuning  
29433 Batam  
Indonesia

<sup>(1)</sup> For all types except LAD

<sup>(2)</sup> For LAD only

<sup>(3)</sup> For all types except LAD and electronic LC.D Version

*The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.*

*The Design Appraisal Document No. HTS/ETS 37511-18 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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