



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:

PRODUCER	Schneider Electric Industries SAS 31 Rue Pierre Mendès France 38050 Grenoble Cedex 9 France
DESCRIPTION	Contactors 3 pole and 4 pole
TYPES	Contactors L①D②③④ ①= Contactor type: C1: single contactor C2: reversing contactor P1: single contactor 4 poles dc coil ②= Size: 40, 50, 65, 80, 95, 40004, 65004, 65008, 40008, 80004, 80008 ③= Type of connection: Blank: clamp and screw connection 6: ring lug connection

Certificate No.	19/20055
Issue Date	05 September 2019
Expiry Date	05 January 2024
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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 Hz					
Coil code	Us [V]	Coil code	Us [V]	Coil code	Us [V]
J5	12	FE5	115	Q5	380 - 400
Z5	20	G5	127	V5	400
B5	24	GG5	155	N5	415
C5	32	M5	220 - 230	R5	440
D5	42	P5	230	S5	550
E5	48	U5	240	SF5	575
F5	110	W5	256	Y5	660
U7	230 - 240				
a.c. coils 60 Hz					
Z6	20	L6	208	N6	416
B6	24	M6	220	R6	440
E6	48	U6	240	T6	480
EP6	85	W6	277	S6	575
F6	110	UP6	340	X6	600
G6	120	O6	380	M7	220 - 240
a.c. coils 50/60 Hz					
Z7	20	F7	110	P7	230
B7	24	FE7	115	Q7	380 - 400
D7	42	G7	120	V7	400
E7	48	L7	200	N7	415
K7	100	LE7	208	R7	440
M7	220 - 230	U7	240		

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LR031.1.2016.06

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TYPES (continued)

④ = Coil code:

non-electronic coils					
d.c. coils					
ID	12	DD	96	MD	220
ZD	20	KD	100	UD	250
BD	24	FD	110	TD	305
BCD	28	GD	125	VD	348
CD	36	PD	155	RD	440
ED	48	OD	174	WD	543
ND	60	LD	200	XD	600
SD	72				
d.c. coils (large voltage range)					
IW	12	CW	36	DW	96
BW	24	EW	48	FW	110
BNW	32	SW	72	MW	220

APPLICATION

Marine, Offshore and Industry applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in LR Test Specification No. 1: 2013.

STANDARD

IEC 60947-1:2007 +A1:2010 +A2 :2014⁽¹⁾
 IEC 60947-4-1:2018⁽¹⁾
 IEC 60947-5-1:2016⁽¹⁾
 IEC60947-1:2007 +A1:2010
 EN 60947-4-1:2010 +A1:2012
 EN 60947-5-1:2004 +A1:2009

⁽¹⁾ : for 80, 80004, 80008 and 95 types only

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RATINGS

3 Phase, 50/60Hz a.c.				
Type	Utilisation Category	Operational Voltage Ue [V]	Operational Current Ie [A] for $\Theta \leq 60^\circ\text{C}$ / $U_e \leq 690\text{V}$	Thermal Current Ith [A] for $\Theta \leq 40^\circ\text{C}$ for 10s
D40 D40004	AC-1	up to 690	60	60
	AC-3	up to 690	32	
	AC-4	up to 690	26.7	
D40008	AC-1	up to 690	60	60
D50	AC-1	up to 690	80	80
	AC-3	up to 690	35	
	AC-4	up to 690	29.2	
D65 D65004	AC-1	up to 690	80	80
	AC-3	up to 690	39	
	AC-4	up to 690	32.5	
D65008	AC-1	up to 690	80	80
D80 D80004	AC-1	up to 690	125	125
	AC-3	up to 690	47	
	D95	AC-4	up to 690	
D80008	AC-1	up to 690	125	125

PLACE OF PRODUCTION Schneider Electric
Cizovska 447
39701 Pisek
Czech Republik

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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 38722-19 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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