



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.

Manufacturer	Schneider Electric Industries SAS
Address	35 RUE JOSEPH MONIER, RUEIL MALMAISON, 92500, France
Place of Production	Schneider (Beijing) Low Voltage Co., Ltd. No. 2 Liang Shui He 2nd Street, Beijing Economic Technological Development, Area, Beijing, 100176, China
Place of Production	Schneider Electric Polska Sp. z o.o., Oddział w Bukownie ul. Mostowa 19, Bukowno, 32-332, Poland
Type	Switch
Description	Three and Four pole low voltage switch-disconnectors
Trade Name	ComPacT INS/INV Series (see appendix)
Application	Marine and Off-shore
Specified Standard	IEC 60947-1:2020 IEC 60947-3:2020 IACS E10 Rev.9

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Maurizio Crucil

Electrical & Control Technical Manager -
South Europe to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Ratings	See Appendix
Additional Tests	Low temperature Test: -55°C (16 hours) Dry Heat Test: +100°C (16 hours) Vibration Test 1: Comply with Lloyd's Register Test Specification No.1: 2024 (Section 12) Humidity Test 1 - Cyclic: Comply with Lloyd's Register Test Specification No.1: 2024 (Section 14)

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR25344587DA-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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RATINGS:

Technical data:

Operational Voltage, U _e	INS40 – INS80	500V
	INS-INV 100-630	690V
	INS-INV 630b-2500	690V
Insulation Voltage, U _i	INS 40 INS 80	690V
	INS-INV 100-630	800V
	INS-INV 630b-2500	1000V
Rated impulsive withstand voltage, U _{imp}	INS 40-630	8kV
	INS 630b-2500	12kV

ComPact INS:

Type	Utilisation Category	Thermal Current	Operational Rating at 220-240V	Current I _e operational 380-415V	Voltage U _e			
					440-480V	500V	660-690V	125-250V
		I _{th}	I _e	I _e	I _e	I _e	I _e	I _e DC
INS40	AC22A	40	40	40	40	40	-	-
	AC23A	40	40	40	40	32	-	-
	DC22A	40	-	-	-	-	-	40
	DC23A	40	-	-	-	-	-	40
INS63	AC22A	63	63	63	63	63	-	-
	AC23A	63	63	63	63	40	-	-
	DC22A	63	-	-	-	-	-	63
	DC23A	63	-	-	-	-	-	63
INS80	AC22A	80	80	80	80	80	-	-
	AC23A	80	80	72	63	40	-	-
	DC22A	80	-	-	-	-	-	80
	DC23A	80	-	-	-	-	-	80
INS100	AC22A	100	100	100	100	100	100	-
	AC23A	100	100	100	100	100	63	-
	DC22A	100	-	-	-	-	-	100
	DC23A	100	-	-	-	-	-	100
INS125	AC22A	125	125	125	125	125	125	-
	AC23A	125	125	125	125	125	80	-
	DC22A	125	-	-	-	-	-	125
	DC23A	125	-	-	-	-	-	125
INS160	AC22A	160	160	160	160	160	160	-
	AC23A	160	160	160	160	160	100	-
	DC22A	160	-	-	-	-	-	160
	DC23A	160	-	-	-	-	-	160
INS250	AC22A	100-250	100-250	100-250	100-250	100-250	100-250	-

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	AC23A	100-250	100-250	100-250	100-250	100-250	100-250	-
	DC22A	100-250	-	-	-	-	-	100-250
	DC23A	100-250	-	-	-	-	-	100-250
INS320	AC22A	320	320	320	320	320	320	-
	AC23A	320	320	320	320	320	320	-
	DC22A	320	-	-	-	-	-	320
	DC23A	320	-	-	-	-	-	320
INS400	AC22A	400	400	400	400	400	400	-
	AC23A	400	400	400	400	400	400	-
	DC22A	400	-	-	-	-	-	400
	DC23A	400	-	-	-	-	-	400
INS500	AC22A	500	500	500	500	500	500	-
	AC23A	500	500	500	500	500	500	-
	DC22A	500	-	-	-	-	-	500
	DC23A	500	-	-	-	-	-	500
INS630	AC22A	630	630	630	630	630	630	-
	AC23A	630	630	630	630	630	630	-
	DC22A	550	-	-	-	-	-	550
	DC23A	550	-	-	-	-	-	550
	DC23B	550	-	-	-	-	-	630
INS630B	AC21A	630	630	630	630	630	630	-
	AC22A	630	630	630	630	630	630	-
	AC23A	630	630	630	630	630	630	-
	DC21A	630	-	-	-	-	-	630
	DC22A	630	-	-	-	-	-	630
	DC23A	630	-	-	-	-	-	630
INS800	AC21A	800	800	800	800	800	800	-
	AC22A	800	800	800	800	800	800	-
	AC23A	800	800	800	800	800	800	-
	DC21A	800	-	-	-	-	-	800
	DC22A	800	-	-	-	-	-	800
	DC23A	800	-	-	-	-	-	800
INS1000	AC21A	1000	1000	1000	1000	1000	1000	-
	AC22A	1000	1000	1000	1000	1000	1000	-
	AC23A	1000	1000	1000	1000	1000	1000	-
	DC21A	1000	-	-	-	-	-	1000
	DC22A	1000	-	-	-	-	-	1000
	DC23A	1000	-	-	-	-	-	1000

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INS1250	AC21A	1250	1250	1250	1250	1250	1250	-
	AC22A	1250	1250	1250	1250	1250	1250	-
	AC23A	1250	1250	1250	1250	1250	1250	-
	DC21A	1250	-	-	-	-	-	1250
	DC22A	1250	-	-	-	-	-	1250
	DC23A	1250	-	-	-	-	-	1250
INS1600	AC21B/A	1600	1600/1450	1600/1450	1600/1250	1600/1250	1600/1250	-
	AC22B/A	1600	1600/1450	1600/1450	1600/1250	1600/1250	1600/1250	-
	AC23A	1600	1250	1250	1250	1250	1250	-
	DC21A	1600	-	-	-	-	-	1600
	DC22A	1600	-	-	-	-	-	1600
	AC23A	1600	-	-	-	-	-	1600
INS2000	AC21B	2000	2000	2000	2000	2000	2000	-
	AC22B	2000	2000	2000	2000	2000	2000	-
	AC23B	2000	-	-	-	-	-	-
	DC21B	2000	-	-	-	-	-	2000
	DC22B	2000	-	-	-	-	-	2000
	DC23B	2000	-	-	-	-	-	-
INS2500	AC21B	2500	2500	2500	2500	2500	2500	-
	AC22B	2500	2500	2500	2500	2500	2500	-
	AC23B	2000	-	-	-	-	-	-
	DC21B	2500	-	-	-	-	-	2500
	DC22B	2500	-	-	-	-	-	2500
	DC23B	2000	-	-	-	-	-	-

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ComPac INV:

Type	Utilisation Category	Thermal Current I _{th}	Operational Rating at 220-240V I _e	Current I _e Voltage U _e				
				380-415V I _e	440-480V I _e	500V I _e	660-690V I _e	125-250V I _e DC
INV100	AC21A	100	100	100	100	100	100	-
	AC22A	100	100	100	100	100	100	-
	AC23A	100	100	100	100	100	100	-
	AD21A	100	-	-	-	-	-	100
	DC22A	100	-	-	-	-	-	100
	DC23B	100	-	-	-	-	-	100
INV160	AC21A	160	160	160	160	160	160	-
	AC22A	160	160	160	160	160	160	-
	AC23A	160	160	160	160	160	160	-
	AD21A	160	-	-	-	-	-	160
	DC22A	160	-	-	-	-	-	160
	DC23B	160	-	-	-	-	-	160
INV200	AC21A	200	200	200	200	200	200	-
	AC22A	200	200	200	200	200	200	-
	AC23A	200	200	200	200	200	200	-
	AD21A	200	-	-	-	-	-	200
	DC22A	200	-	-	-	-	-	200
	DC23B	200	-	-	-	-	-	200
INV250	AC21A	250	250	250	250	250	250	-
	AC22A	250	250	250	250	250	250	-
	AC23A	250	250	250	250	250	250	-
	AD21A	250	-	-	-	-	-	250
	DC22A	250	-	-	-	-	-	250
	DC23B	250	-	-	-	-	-	250
INV320	AC21A	320	320	320	320	320	320	-
	AC22A	320	320	320	320	320	320	-
	AC23A	320	320	320	320	320	320	-
	AD21A	320	-	-	-	-	-	320
	DC22A	320	-	-	-	-	-	320
	DC23B	320	-	-	-	-	-	320
INV400	AC21A	400	400	400	400	400	400	-
	AC22A	400	400	400	400	400	400	-
	AC23A	400	400	400	400	400	400	-
	AD21A	400	-	-	-	-	-	400
	DC22A	400	-	-	-	-	-	400
	DC23B	400	-	-	-	-	-	400

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INV500	AC21A	500	500	500	500	500	500	-
	AC22A	500	500	500	500	500	500	-
	AC23A	500	500	500	500	500	500	-
	AD21A	500	-	-	-	-	-	500
	DC22A	500	-	-	-	-	-	500
	DC23B	500	-	-	-	-	-	500
INV630	AC21A	630	630	630	630	630	630	-
	AC22A	630	630	630	630	630	630	-
	AC23A/B	630	630/630	630/630	630/630	550/630	550/630	-
	DC21A	550	-	-	-	-	-	550
	DC22A	550	-	-	-	-	-	550
	DC23A/B	550	-	-	-	-	-	550/630
INV630B	AC21A	630	630	630	630	630	630	-
	AC22A	630	630	630	630	630	630	-
	AC23A	630	630	630	630	630	630	-
	DC21A	630	-	-	-	-	-	630
	DC22A	630	-	-	-	-	-	630
	DC23B	630	-	-	-	-	-	630
INV800	AC21A	800	800	800	800	800	800	-
	AC22A	800	800	800	800	800	800	-
	AC23A	800	800	800	800	800	800	-
	DC21A	800	-	-	-	-	-	800
	DC22A	800	-	-	-	-	-	800
	DC23B	800	-	-	-	-	-	800
INV1000	AC21A	1000	1000	1000	1000	1000	1000	-
	AC22A	1000	1000	1000	1000	1000	1000	-
	AC23A	1000	1000	1000	1000	1000	1000	-
	DC21A	1000	-	-	-	-	-	1000
	DC22A	1000	-	-	-	-	-	1000
	DC23B	1000	-	-	-	-	-	1000
INV1250	AC21A	1250	1250	1250	1250	1250	1250	-
	AC22A	1250	1250	1250	1250	1250	1250	-
	AC23A	1250	1250	1250	1250	1250	1250	-
	DC21A	1250	-	-	-	-	-	1250
	DC22A	1250	-	-	-	-	-	1250
	DC23B	1250	-	-	-	-	-	1250
INV1600	AC21B/A	1600	1600/1450	1600/1450	1600/1250	1600/1250	1600/1250	-
	AC22B/A	1600	1600/1450	1600/1450	1600/1250	1600/1250	1600/1250	-
	AC23A	1600	1250	1250	1250	1250	1250	-
	DC21A	1600	-	-	-	-	-	1600
	DC22A	1600	-	-	-	-	-	1600
	DC23A	1600	-	-	-	-	-	1600

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INV2000	AC21B	2000	2000	2000	2000	2000	2000	-
	AC22B	2000	2000	2000	2000	2000	2000	-
	AC23B	2000-	-	-	-	-	-	-
	DC21B	2000	-	-	-	-	-	2000
	DC22B	2000	-	-	-	-	-	2000
	DC23B	2000	-	-	-	-	-	-
INV2500	AC21B	2500	2500	2500	2500	2500	2500	-
	AC22B	2500	2500	2500	2500	2500	2500	-
	AC23B	2500	-	-	-	-	-	-
	DC21B	2500	-	-	-	-	-	2500
	DC22B	2500	-	-	-	-	-	2500
	DC23B	2500	-	-	-	-	-	-

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