



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	ABB Stotz-Kontakt GmbH
Address	Eppelheimer Str. 82, Heidelberg, 69123, Germany
Place of Production	RELPOL S.A. ul. 11 Listopada 37, Zary, 68-200, Poland
Type	Relays - Magnetic
Description	Plug-in relays and socket Refer to the Appendix for further details.
Trade Name	CR-M and CR-U
Application	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002.
Specified Standard	IEC 61810-1: 2015 UL 508: 1999
Ratings	Operational Voltage Ue: 250V AC / 250V DC Operating Current Amperes: 6A (type CR-M) 10A (type CR-U)

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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.

Previous Version: 05/20002 (E5)

The Design Appraisal Document HPC1462114-23/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

TYPES

CR	X	XXX	XX	X	(L)	(G)
	①	②	③	④		

	Code	Description
① Type	M	Miniature Relays
	U	Universal Relays
② Rated Supply Voltage in [V]	012	
	024	
	048	
	060	
	110	
	120	Only AC
	125	Only DC
	220	Only DC
	230	Only AC
③ Current Type	AC	
	DC	
④ Number of contacts	2	2 change over contacts; not for CR-M type
	3	3 change over contacts; not for CR-M type
	4	4 change over contacts
Indication Light	(L)	LED Light
Contact treatment	(G)	Gold plated; only for CR-M type
Diode	(D)	Diode