

Type Approval Certificate Extension

This is to certify that Certificate No. 96/00081(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

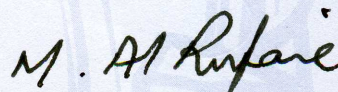
PRODUCER	Technoelectric Srl
PLACE OF PRODUCTION	Via Enrico Mattei 2/4 20072 Castiglione d'Adda (MI) Italy
DESCRIPTION	Switch Disconnecter (VC..P) Switch Disconnecter-Fuse (VC..F)
TYPE	VC1P, VC2P, VC3P, VC4P, VC5P, VC1F, VC2F, VC3F, VC4F, VC5F
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in LR Test Specification No. 1: 1990.
SPECIFIED STANDARD	IEC 60947-3

"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 attached Design Appraisal Document No.96/00081(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 96/00081(E1) to which this extension should be attached.

Certificate No.	96/00081(E2)
Issue Date	27 May 2007
Expiry Date	10 September 2011
Sheet	1 of 1



M.H.A. Ruffaie
London Design Support Services
Lloyd's Register EMEA

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

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DESIGN APPRAISAL DOCUMENT

Date 27 May 2007	Quote this reference on all future communications LDSS/PAS/TA/W01350804/MHR/O- 81889
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.
Issued to: TECHNOELECTRIC SRL
for: SWITCH DISCONNECTOR (VC..P) & SWITCH DISCONNECTOR-FUSE (VC..F)
Types: VC1P, VC2P, VC3P, VC4P, VC5P & VC1F, VC2F, VC3F, VC4F, VC5F
TYPE APPROVAL CERTIFICATE No. 96/00081(E2)

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

ADDITIONAL APPROVAL DOCUMENTATION

Request form	04.09.2006
LR Milan email message	09.05.2007
LR Milan email message	05.04.2007
LR Milan letter	02.08.2006
Technoelectric letter	04.09.2006

Drawings

Typical Drawing	Undated
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TEST REPORTS

KEMA Certificate No. 2025147.01	28.09.2005
Technoelectric EC Declaration of Conformity No. 001	30.12.2003
RINA Certificate No. 66/93/S	26.05.2005
QNEt Certificate No. IT-2602	26.05.2005
Document No. 0852	24.01.2002
Document No. 0888	08.05.2002
Document No. 0890	10.05.2002
Document No. 0884	30.04.2002
Document No. 0882	19.04.2002
Document No. 0862	25.02.2002
Document No. 0867	12.03.2002
Document No. 0864	01.03.2002
Document No. 0881	17.04.2002
Document No. 0886	06.05.2002

Also all the documentation listed on Design Appraisal Documents associated with Type Approval Certificates Nos. 96/00081 and 96/00081(E1)

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

DESIGN APPRAISAL DOCUMENT

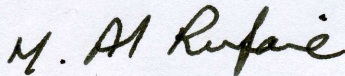
Date 27 May 2007	Quote this reference on all future communications LDSS/PAS/TA/W01350804/MHR/O- 81889
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Supplementary Type Approval Terms and Conditions (cont.)

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

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

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.

**M.H.A. RUFAIE**

Senior Electrical Engineer

Product-Approval / London Design Support Services

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Part 2
Switches - AC (Part 2)

Producer / Licence No.	Type	Rating 50 / 60Hz						Category / Additional Tests	Remarks	Cert. No.
		Standard	Utilization Category	Rated Voltage U _e	Rated Current I _e Amperes	Thermal Current I _{th} Amperes	Short-Circuit (kA)			
Technoelectric Srl, Via Enrico Mattei 2/4, 20072 Castiglione d'Adda (MI), Italy.	Load Break Switches									
	VC1P	IEC 60947-3	AC23A	400	125	125	50 when protected with fuse-link limiting cut off current to 15.2kA	ENV1 ENV2 ENV3 (1990)	Expires: 10 September 2011	96 / 00081(E2)
	VC2P	"	AC23A	400	250	250	50 when protected with fuse-link limiting cut off current to 25.7kA			
	VC3P	"	AC23A	400	400	400	50 when protected with fuse-link limiting cut off current to 36.2kA			
	VC4P	"	AC23A	400	630	630	50 when protected with fuse-link limiting cut off current to 49kA			
	VC5P	"	AC23A	400	1250	1250	50 for 1 second			
	Switch Fuses									
		VC1F	"	AC23A	400	80	80	50 when protected with fuse-link limiting cut off current to 12.2kA		
VC2F	"	AC23A	400	160	160	50 when protected with fuse-link limiting cut off current to 17.9kA				
VC3F	"	AC23A	400	250	250	50 when protected with fuse-link limiting cut off current to 26.3kA				
VC4F	"	AC23A	400	400	400	50 when protected with fuse-link limiting cut off current to 35.7kA				
VC5F	"	AC23A	400	630	630	50 when protected with fuse-link limiting cut off current to 52kA				

27 MAY 2007
MTH