

# Type Approval Certificate

This is to certify that the undernoted product 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** 

Finder SpA

PLACE OF

V

PRODUCTION

Via Drubiaglio, 14 10040 Almese (Turin)

Italy

DESCRIPTION

Series 56 Miniature power relays

**TYPES** 

56.32, 56.34, 56.42 and 56.44

APPLICATION

For use in environmental categories ENV1, ENV2 and ENV3 as

defined in LR Test Specification No 1: 2002.

SPECIFIED

**STANDARDS** 

EN 61810-1: 2008 and EN 60664-1: 2007

**RATINGS** 

2 and 4 pole relays. Rated current: 12A Rated Voltage: 250V.

"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 No. 12/00033 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.

12/00033

**Issue Date** 

31 May 2012

**Expiry Date** 

30 May 2017

Sheet

1 of 1

M.R. Greenhalgh London Design Support Office Lloyd's Register EMEA

Lloyd's Register EMEA

71 Fenchurch Street, London EC3M 4BS

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense day reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



# Lloyd's Register EMEA (London Office) LONDON DESIGN SUPPORT OFFICE

71 Fenchurch Street, London, EC3M 4BS Telephone 020 7709 9166 Fax 020 7488 4796 Email tad@lr.org

Page	
1 of 1	
Document number 12/00033	
Issue number 1	

#### **DESIGN APPRAISAL DOCUMENT**

Date 31 May 2012	Quote this reference on all future communications LDSO/ETS/MRG/WP10716976/W03019676

# LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

## Issued to: FINDER SPA for: SERIES 56 MINIATURE POWER RELAYS TYPE APPROVAL CERTIFICATE No. 12/00033

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.

### APPROVAL DOCUMENTATION

Approval Services Request for Quotation form

LR Milan Visit Report

3 February 2012
2 May 2012

#### **TEST REPORTS**

EC Declaration of Conformity
Finder S.p.A catalogue
Finder S.p.A Laboratory Test Report 100, Mod. LO910\_E, rev 2
IMQ S.p.A. Test Report, Reference 02LJ00043/1
IMQ S.p.A. Test Report, Reference 12LJ00043
IMQ S.p.A. Notification of Test Results, Reference 29297/IMQ
IMQ S.p.A. Approval Certificate E9971

18 November 2009
24 February 2012
30 November 2009
11 January 2010
23 December 2009

#### 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.

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.R. Greenhalgh

London Design Support Office

Men

Lloyd's Register EMEA

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Part 2 Relays - Magnetic (Part 2)

The state of the s	<u> </u>	f						***************************************					٠
						•	Contact Rating	25					
i water/			Utilization	A.C	A.C. (50/60Hz)			D.C.		Thermal	Category/		
Levne No.	Type	Standard Category Operational Operating Voltage Current Ue Amperes	Category (	Operational Voltage Ue	Operating Current Amperes	Power Factor	Operational Operating Time Current Ith Voltage Current Ie Constant Amperes Ue Amperes Secs.	Operating Current le Cc Amperes	Time Constant Secs.	urrent Ith Amperes	₹	Remarks	Cert. No.
Finder SpA, Via Drubiaglio, 14, 10040 Almese (Turin), Italy.	Series 56 Miniature power relays: 56.32, 56.34, 56.42 and 56.44 2 and 4 pole relays.	EN 61810- 1:2008 and EN 60664- 1:2007		250	12A						ENV1 ENV2 ENV3 (2002)	Expires: 30 May 2017	12/00033