



TYPE APPROVAL CERTIFICATE
N. ELE177013CS

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

<i>Description</i>	Electrical Relay (All-or-Nothing)
<i>Type</i>	Series 55
<i>Applicant</i>	FINDER SpA Via Drubiaglio 14 10040 Almese (TO) Italy
<i>Manufacturer</i>	FINDER SpA Via Drubiaglio 14 10040 Almese (TO) Italy
<i>Testing Standards</i>	RINA Rules for the Classification of Ships EN 61810-1:2008

Issued in Genova on September 26, 2013

This Certificate is valid until September 26, 2018

RINA Services S.p.A

Valerio Bonanni



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Main features:

Monostable electromagnetic relays type **55.XX (12; 32; 13; 33).X(8;9).XXX.XXXX**

- Number of poles 2 or 3
- Kind of contact: CO
- Rated voltage: 250Vac
- Rated contact current: 10A @ 250Vac ; 7A @ 250Vac $\cos\phi$ 0,4
- Thermal class (coil) (IEC 60085): F (155°C)
- Ambient temperature: -40°C to 85 °C
- Rated impulse voltage: 5kV
- Pollution degree: 2
- Insulation material group (IEC60664-1): I; II
- Mounting: any position

Monostable electromagnetic relays type **55.XX (14; 34).X(8;9).XXX.XXXX**

- Number of poles 4
- Kind of contact: CO
- Rated voltage: 250Vac
- Rated contact current: 7A @ 250Vac ; 4,9A @ 250Vac $\cos\phi$ 0,4
- Thermal class (coil) (IEC 60085): F (155°C)
- Ambient temperature: -40°C to 85 °C
- Rated impulse voltage: 2.5kV
- Pollution degree: 2
- Insulation material group (IEC60664-1): I; II; IIIa
- Mounting: any position

- Coil rated voltage (series **55.X.X.8.XXX.XXXX**):

6 ; 12 ; 24 ; 32 ; 36 ; 48 ; 60 ; 100 ; 110 ; 115 ; 120 ; 125 ; 180 ; 200 ; 230 ; 240 Va.c.

- Coil rated voltage (series **55.X.X.9.XXX.XXXX**):

6 ; 10 ; 12 ; 15 ; 24 ; 27 ; 32 ; 36 ; 42 ; 48 ; 60 ; 72 ; 80 ; 90 ; 100 ; 110 ; 125 ; 140 ; 145 ; 220 Vd.c.

Reference documents

- IMQ Test report n. 02LJ00039 (2009/11/30)
- IMQ Test report n. 02LJ00039/1 (2009/11/30)
- IMQ Notification of test results n. NTR29298/IMQ (2010/01/12)
- FINDER General Catalogue 2013

Genova, September 26, 2013

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