



# TYPE APPROVAL CERTIFICATE

N. ELE358815CS001

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>	Monostable all-or-nothing electric relay
<i>Type</i>	40.31.7 ; 40.31.8 ; 40.31.9 ; 40.51.7 ; 40.51.8 ; 40.51.9 ; 40.52.7 ; 40.52.8 ; 40.52.9 ; 40.61.7 ; 40.61.8 ; 40.61.9
<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 Standard</i>	IEC 61810-1:2008

Issued in Genova, October 29 2015.

This certificate is valid until October 29, 2020

RINA Services S.p.A.

*Valerio Bonanni*

Genova, October 29, 2015

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RINA Services S.p.A.  
Via Corsica, 12 - 16128 Genova



# TYPE APPROVAL CERTIFICATE

N. ELE358815CS001

Series 40. Monostable electric all-or-nothing relay, for any mounting position.

## Models:

40.31.7 ; 40.31.8 ; 40.31.9 ; 40.51.7; 40.51.8 ; 40.51.9

## Block Numeration

40.\_1.a.bbb.cdef

a: 7= dc 500 mW; 8= AC 1,1 VA; 9 = dc 650 mW  
bbb: coil voltage (e.g. 006= 6 Vac, 009= 9 Vdc, 110= 110 Vac, etc.)  
c: contact material (0= AgNi, 2= AgCdO, 5= AgNi+Au)  
d: contact circuit (0= CO, 3= NO)  
ef: technology classification (00= RTII, 01= RTIII)

## Technical data

Number of poles: 1.  
Rated contact voltage: 250 Vac, 30 Vdc.  
Rated contact current: 10 A - 250 Vac, 10 A - 30 Vdc, 7A - 250Vac cosφ 0.4.  
Contact material: AgNi, AgCdO, AgNi+Au.  
Type of interruption: micro-disconnection.  
Electrical endurance: 100.000 cycles.  
Ambient temperature range: -40°C/+85°C.  
Thermal class: F  
Technology classification: RT II, RT III.

Rated coil voltage (Vac): 6, 9, 12, 24, 42, 48, 60, 100, 110, 115, 120, 125, 200, 230, 240.

Rated coil voltage (Vdc): 4, 5, 6, 7, 9, 12, 14, 18, 21, 24, 28, 36, 48, 60, 80, 90, 110, 125, 145.

## Models:

40.52.7 ; 40.52.8 ; 40.52.9

## Block Numeration

40.52.a.bbb.cdef

a: coil version 7= dc 500 mW; 8= AC 1,1 VA ; 9 = dc 650 mW  
bbb: coil voltage (e.g. 006= 6 Vac, 009= 9 Vdc, 110= 110 Vac, etc.)  
c: contact material (0= AgNi, 2= AgCdO, 5= AgNi+Au)  
d: contact circuit (0= CO, 3= NO)  
ef: technology classification (00= RTII, 01= RTIII)

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## Technical data

Number of poles: 2 ; Rated contact voltage: 250 Vac, 30 Vdc.  
Rated contact current: 8 A - 250 Vac, 8 A - 30 Vdc, 5.6 A - 250 Vac  $\cos\phi$  0.4  
Contact material: AgNi, AgCdO, AgNi+Au.  
Type of interruption: micro-disconnection.  
Electrical endurance: 100.000 cycles.  
Ambient temperature range: -40°C/+85°C.  
Thermal class: F.  
Technology classification: RT II, RT III.  
Rated coil voltage (Vac): 6, 9, 12, 24, 42, 48, 60, 100, 110, 115, 120, 125, 200, 230, 240.  
Rated coil voltage (Vdc): 4, 5, 6, 7, 9, 12, 14, 18, 21, 24, 28, 36, 48, 60, 80, 90, 110, 125, 145.

## Models:

40.61.7 ; 40.61.8 ; 40.61.9

## Block numeration

40.61.a.bbb.cdef

a: 7 = dc 500 mW; 8 = ac 1,1 VA ; 9 = dc 650 mW  
bbb: coil voltage (e.g. 006= 6 Vac, 009= 9 Vdc, 110= 110 Vac, etc.)  
c: contact material (0= AgCdO, 4= AgSnO2)  
d: contact circuit (0= CO, 3= NO)  
ef: technology classification (00= RTII, 01= RTIII)

## Technical data

Number of poles: 1 ; Rated contact voltage: 250 Vac, 30 Vdc.  
Rated contact current: 16 A - 250 Vac, 16 A - 30 Vdc, 11.2 A - 250 Vac  $\cos\phi$  0.4.  
Contact material: AgCdO, AgSnO2.  
Type of interruption: micro-disconnection.  
Electrical endurance: 100.000 cycles AgCdO, 50.000 cycles AgSnO2.  
Ambient temperature range: -40°C/+85°C.  
Thermal class: F.  
Technology classification: RT II, RT III.  
Rated coil voltage (Vac): 6, 9, 12, 24, 42, 48, 60, 100, 110, 115, 120, 125, 200, 230, 240.  
Rated coil voltage (Vdc): 4, 5, 6, 7, 9, 12, 14, 18, 21, 24, 28, 36, 48, 60, 80, 90, 110, 125, 145.

## Test reports

IMQ Test Report n° 02LJ00036 (30.11.2009)  
IMQ Test Report n° 02LJ00036/1 (30.11.2009)  
IMQ Test Report n° 02LJ00036/2 (30.11.2009)

## General remark

Use and installation to be in accordance with the manufacturer instructions.

Genova, October 29, 2015

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