3 danni subiti. Sono riservati tutti i diritti derivanti dalla concessione di brevetti per inverzioni industriali di utilità o di brevetti per modelli ornamentali. comunque noto a terzi senza esplicita autorizzazione. Ogni infrazione comporta il risarcimento dei È vietato consegnare a terzi o riprodurre questo documento, utilizzame il contenuto o renderlo 70K09 RELE+ZOCALO+VARISTOR **MEKT** 01 1 0.150 0080150050 70K09 RELE+ZOCCOLO+VARISTORE FINDER PES0 MARCA DESCRIPCIÓN CANT. CÓDIGO O NORMA MATERIAL O REFERENCIA PES0 CÒDICE O NORMA MATERIALE O REFERENZA MARCA QUANT. **DESCRIZIONE** (Kg) 0.150 A4 BEASAIN LOCOMOTIVA E401 MODIFICAR CAJETIN 2016-06-28 96015 Power & añadir datasheets ISO 2768-cK 2016-10-18 96015 Automation **DIN ISO 13920-BF** Ed. Descrizione Date 23/09/2015 10221 Disegnato 70K09 RELE+ZOCALO+VARISTOR Comprovato 23/09/2015 10221 23/09/2015 14422 Verificato 70K09 RELE+ZOCCOLO+VARISTORE FINDER

Date

es/it

CONSTRUCCIONES Y AUXILIAR

DE FERROCARRILES, S.A. BEASAIN (GIPUZKOA)

Nome

B.20.64.120

4

В

DIMENSIONES

DIMENSIONES

(mm)

ОТ

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IL RELE' FINDER E' COMPOSTO DA:

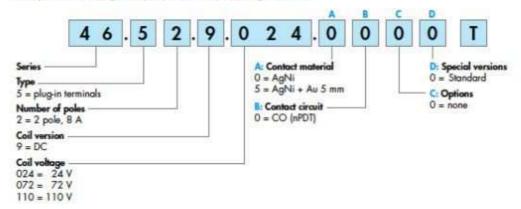
- 1. RELE' COD. 46.52.9.024.0000.T
- 2. ZOCCOLO COD. 97.52 SMA
- MODULO LED+VARISTORE COD. 99.02.0.024.98

finder 46 and 56 Series - Relays for railway applications 8 - 12 A **Features** 56.34T 46.52T 56.32T Plug-in power relays: 8 A, 2 pole 12 A, 2 and 4 pole DC coils with extended range Complies with UNI CEI 11170-3 (protection) against fire of materials), EN 61373 (resistance against random vibrations and shock, Category 1, Class B), EN 50155 (resistance to temperature and humidity, TX class) - Cadmium Free contacts (standard version) Contact material options 97 and 96 series sockets • 2 Pole CO, 8A • Plug-in · 2 Pole CO, 12 A 4 Pole CO, 12 A Plug-in/Faston 187 - Plug-in/Faston 187 Coll EMC suppression modules Accessories 0000 Contact specification Contact configuration 2 CO (DPDT) 2 CO (DPDT) 4 CO (4PDT) Rated current/Maximum peak current 8/15 12/20 12/20 250/400 250/400 250/400 Rated voltage/Maximum switching voltage V AC Rated load AC1 2.000 3,000 3.000 Rated load AC15 (230 V AC) 350 700 700 Single phase motor rating (230 V AC) 0.37 0.55 0.55 12/0.5/0.25 12/0.5/0.25 Breaking capacity DC1: 30/110/220 V 6/0.5/0.15 Minimum switching load mW (V/mA) 300 (5/5) 500 (10/5) 500 (10/5) Standard contact material AgNi AgNi AgNi Coil specification VAC (50/60 Hz) Nominal voltage (U_N) V DC 24 - 72 - 110 24-72-110 24-72-110 0.5 1.3 Rated power Operating range @ 23 °C AC DC (0.70...1.6) UN (0.70...1.6) U_N (0.70...1.6) UN Holding voltage 0.4 U_N 0.6 U_N 0.6 U_N Must drop-out voltage 0.1 U_N 0.1 U_M 0.1 U_N Technical data 10 - 10 10 - 10* 10 - 10* Mechanical life DC cycles Electrical life at rated load AC1 cycles 100 - 103 100 - 10° 100 - 10 Operate/release time 10/3 Insulation between coll and contacts (1.2/50 µs) kV 6 (8 mm) A 4 Dielectric strength between open contacts VAC 1,000 1,000 1,000 -40...+70 -40...+70 -40...+70 Ambient temperature range Environmental protection RT II RT I RTI Approvals (according to type) C€ C€ C€

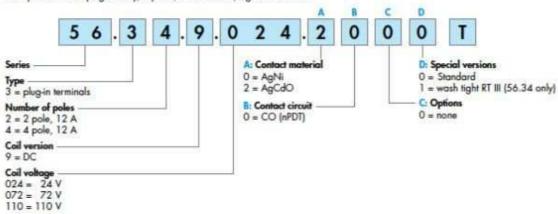


Ordering information

Example: 46 series plug-in relay, 2 poles, 24 V DC coil, AgNi contacts.



Example: 56 series plug-in relay, 4 poles, 24 V DC coil, AgCdO contacts.



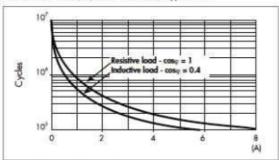
Technical data

Insulation according to EN 61810-1	46.52		56.32/34		
Nominal valtage of supply system V AC	230/400		230/400		
Rated insulation voltage V AC	250	400	250	400	
Pollution degree	3	2	3	2	
Insulation between coil and contact set			1000		
Type of insulation	Reinforced (8 mm)		Basic	Basic	
Overvoltage category	III		III	THE STATE OF THE S	
Rated impulse voltage kV (1.2/50 µs)	6		4		
		4,000		2,500	
Insulation between adjacent contacts	-				
FIRST CONTRACTOR AND ADDRESS OF THE STATE OF		Basic		Basic	
Overvoltage category III		Ш		in .	
		4		4	
Dielectric strength V AC	2,000		2,500	2,500	
Insulation between open contacts					
Type of disconnection	Micro-discon	nection	Micro-discon	nection	
Dielectric strength V AC/(1.2/50 µs)		1,000/1.5		1,000/1.5	
Conducted disturbance immunity			11		
Burst (550)ns, 5 kHz, on A1 - A2 EN 61000-4-4	level 4 (4 kV	Y	level 4 (4 kV		
Surge (1.2/50 µs) on A1 - A2 (differential mode) EN 61000-4-5	level 3 (2 kV	1	level 4 (4 kV		
Other data					
Bounce time: NO/NC ms	1/4		1/3		
Power lost to the environment without contact current W	0.6		1 (56.32) /	1.3 (56.34)	
with rated current W	2		3.8 (56.32)	6.9 (56.34)	

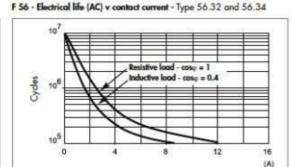
46 and 56 Series - Relays for railway applications 8 - 12 A

Contact specification

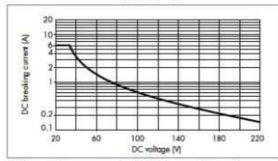
F 46 - Electrical life (AC) v contact current - Type 46.52

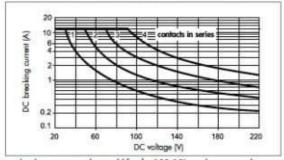


H 46 - Maximum DC1 breaking capacity - Type 46.52



H 56 - Maximum DC1 breaking capacity - Type 56.32 and 56.34





- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of ≥ 100-10° can be expected.
 In the case of DC13 loads, the connection of a diode in parallel with the load will permit a similar electrical life as for a DC1 load.
 Note: the release time for the load will be increased.

Coil specifications

DC coil data, 2 CO - Type 46.52 @ 23 °C

Nominal voltage	Coil	Operation	g range	Resistance	Rated call consumption
UN		Umm	Umax	R	I at UN
V		٧	V	Ω	mA
24	9.024	16.8	38	1,200	20
72	9.072	50.4	115	3,400	7
110	9.110	77	176	23.500	4.7

Other types of coil version are available on request.

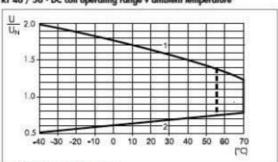
DC coil data, 2 CO - Type 56.32 @ 23 °C

Nominal voltage	Coll	Operation	g range	Resistance	Rated coil consumption
UN		Umm	Umax	R	I at UN
V		V	٧	Ω	mA
24	9.024	16.8	38	600	40
72	9.072	50.4	115	5,100	14
110	9.110	77	176	12,500	8.8

DC coil data, 4 CO - Type 56.34 @ 23 °C

Nominal voltage	Coll	Operation	ng range	Resistance	Rated coil consumption
UN		U _{min}	Umax	R	I at UN
٧		٧	٧	Ω	mA
24	9.024	16.8	38	490	49
72	9.072	50.4	115	4,000	18
110	9.110	77	176	10,400	10.5

RT 46 / 56 - DC coil operating range v ambient t



- Max. permitted coil voltage.
 Ain. pick-up voltage with coil at ambient temperature.



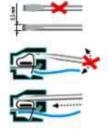
97 Series - Sockets and accessories for 46 series relays

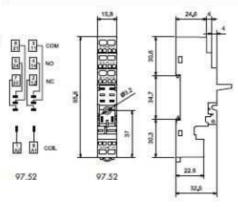


Approvals (according to type):

CE @ @ .91'us

Screwless terminal socket panel or 35 mm rail (EN 60715) mour	97.52 SMA	
For relay type	46.52	
Accessories		
Metal retaining clip (supplied with socket - packaging code SM	A) 097.71	
Modules (see table below)	99.02	
Timer modules (see table below)	86.30	
Technical data		
Rated current	8 A - 250 V AC	
Dielectric strength	6 kV (1.2/50 µs) bet	ween coil and contacts
Protection category	IP 20	
Ambient temperature "C	25+70	
Wire strip length mn	n 8	
Max. wire size for 97.52 socket	solid wire	stranded wire
mm	i* 2x(0.21.5)	2x(0.21.5)
AWC	3 2x(2418)	2x(2418)







86 series timer module (12...24)V AC/DC; Bi-function: AI, DI; (0.05s...100h) 86.30.0.024.0000

Approvals (according to type): (& & AN'us



Approvals (according to type):

C cAlius

DC Modules with non-standard polarity (+A2) on request.

Diode (+A1, standard polarity)	(6220)V DC	99.02.3.000.00	
LED	(624)V DC/AC	99.02.0.024.59	
LED + Diode (+A1, standard polarity)	(624)V DC	99.02.9.024.99	
ED + Varistor	(624)V DC/AC	99.02.0.024.98	
RC circuit	(624)V DC/AC	99.02.0.024.09	