

Features

1 & 2 Pole relay range

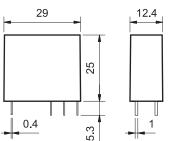
40.31 - 1 Pole 10 A (3.5 mm pin pitch) 40.51 - 1 Pole 10 A (5 mm pin pitch) 40.52 - 2 Pole 8 A (5 mm pin pitch)

PCB mount

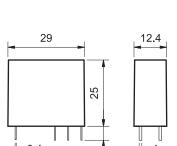
direct or via PCB socket

35 mm rail mount

- via screw and screwless sockets
- DC coils (standard or sensitive) & AC coils
- Cadmium Free contact material
- 8 mm, 6 kV (1.2/50 µs) isolation, coil-contacts
- UL Listing (certain relay/socket combinations)
- Flux proof: RT II standard, (RT III option)
- 95 series sockets
- Coil EMC suppression
- Timer accessories 86 series



FOR UL RATINGS SEE:



40.31

- 3.5 mm contact pin pitch
- 1 Pole 10 A
- PCB or 95 series sockets

40.51



- 5 mm contact pin pitch
- 1 Pole 10 A
- PCB or 95 series sockets

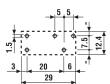




- 5 mm contact pin pitch
- 2 Pole 8 A
- PCB or 95 series sockets

A2
3.5

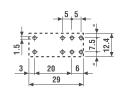




Copper side view

14

A1	12 11 14
	503
Δ2	22 21 24



Copper side view

"General technical information" page V			
Contact specification			
Contact configuration	1 CO (SPDT)	1 CO (SPDT)	2 CO (DPDT)
Rated current/Maximum peak current A	10/20	10/20	8/15
Rated voltage/Maximum switching voltage V AC	250/400	250/400	250/400
Rated load AC1 VA	2,500	2,500	2,000
Rated load AC15 (230 V AC) VA	500	500	400
Single phase motor rating (230 V AC) kW	0.37	0.37	0.3
Breaking capacity DC1: 30/110/220 V A	10/0.3/0.12	10/0.3/0.12	8/0.3/0.12
Minimum switching load mW (V/mA)	300 (5/5)	300 (5/5)	300 (5/5)
Standard contact material	AgNi	AgNi	AgNi
Coil specification			
Nominal voltage (UN) V AC (50/60 Hz)	6 - 12	- 24 - 48 - 60 - 110 - 120 - 230	- 240

Copper side view

con specification							
Nominal voltage (U _N) V AC (50/60 Hz) V DC		6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240					
		5 - 6 - 7 - 9 - 12	5 - 6 - 7 - 9 - 12 - 14 - 18 - 21 - 24 - 28 - 36 - 48 - 60 - 90 - 110 - 125				
Rated power AC/DC/sens. DC	VA (50 Hz)/W/W	1.2/0.65/0.5	1.2/0.65/0.5	1.2/0.65/0.5			
Operating range	AC	(0.81.1)U _N	(0.81.1)U _N	(0.81.1)U _N			
	DC/sens. DC	(0.731.5)U _N /(0.731.75)U _N	(0.731.5)U _N /(0.731.75)U _N	(0.731.5)U _N /(0.731.75)U _N			
Holding voltage	AC/DC	0.8 U _N /0.4 U _N	0.8 U _N /0.4 U _N	0.8 U _N /0.4 U _N			
Must drop-out voltage AC/DC		0.2 U _N /0.1 U _N		0.2 U _N /0.1 U _N			
Technical data							
Mechanical life AC/DC	cycles	10 · 106/20 · 106	10 · 106/20 · 106	10 · 106/20 · 106			
Electrical life at rated load A	.C1 cycles	200 · 10³	200 · 10³	100 · 10³			
Operate/release time	ms	7/3 - (12/4 sensitive)	7/3 - (12/4 sensitive)	7/3 - (12/4 sensitive)			
Insulation between coil and cont	racts (1.2/50 µs) kV	6 (8 mm)	6 (8 mm)	6 (8 mm)			
Dielectric strength between open contacts V AC		1,000	1,000	1,000			
Ambient temperature range °C		-40+85	-40+85	-40+85			
Environmental protection		RT II**		RT II**			
Approvals (according to type	e)	⑥ □ 同 ⓒ	(N) RINA	A S ∪ 3 P 1 O A			

^{**} See general technical information "Guidelines for automatic flow solder processes" page II .



Features

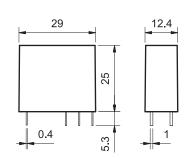
- 1 Pole 16 A (5 mm pin pitch) 40.61 40.xx.6 - Bistable versions of the 40.31, 40.51, 40.52 & 40.61 relays

PCB mount

- direct or via PCB socket

35 mm rail mount

- via screw and screwless sockets
- DC coils & AC coils
- Cadmium Free option available
- 8 mm, 6 kV (1.2/50 µs) isolation, coil-contacts 5 mm contact pin pitch
- UL Listing (certain 40.61 relay/socket combinations) 1 Pole 16 A
- Flux proof: RT II standard, (RT III option)
- 95 series sockets
- Coil EMC suppression
- Timer accessories 86 series



FOR UL RATINGS SEE: "General technical information" page V

Rated current/Maximum peak current

Rated voltage/Maximum switching voltage V AC

Dielectric strength between open contacts V AC

Ambient temperature range Environmental protection

Approvals (according to type)

Contact specification Contact configuration • PCB or 95 series sockets

40.61

40.xx.6



- Bistable (single coil) versions of 40.31/51/52/61
- PCB or 95 series sockets

Bistable version (1 coil) types: 40.31.6... 40.51.6... 40.52.6... 40.61.6...

> For wiring diagrams see page 8

Copper side view

1 CO (SPDT)

16/30*

250/400

See relays 40.31 40.51

40.61

Min. impulse duration

≥ 20 ms

RINA

(N)

* With the AgSnO₂ material the maximum peak current is 120 A - 5 ms on normally open contact.

Rated load AC1 VA 4,000 Rated load AC15 (230 V AC) 750 VA Single phase motor rating (230 V AC) kW 0.55 40.52 Breaking capacity DC1: 30/110/220 V 16/0.3/0.12 40.61 Minimum switching load mW (V/mA) 500 (10/5) Standard contact material AgCdO Coil specification Nominal voltage (UN) V AC (50/60 Hz) 6-12-24-48-60-110-120-230-240 5 - 6 - 12 - 24 - 48 - 110 * * *See table V DC 5 - 6 - 12 - 24 - 48 - 110 Rated power AC/DC/sens. DC VA (50 Hz)/W/W 1.2/0.65/0.5 1.0/1.0/- $(0.8...1.1)U_N$ $(0.8...1.1)U_N$ Operating range DC/sens. DC $(0.73...1.5)U_N/(0.8...1.5)U_N$ $(0.8...1.1)U_N/-$ AC/DC $0.8 U_{N} / 0.4 U_{N}$ Holding voltage AC/DC Must drop-out voltage $0.2 U_{N} / 0.1 U_{N}$ Technical data 10 · 106/20 · 106 Mechanical life AC/DC See relays cycles Electrical life at rated load AC1 cycles 100 · 10³ 40.31 Operate/release time 7/3 - (12/4 sensitive) 40.51 Insulation between coil and contacts (1.2/50 μ s) kV 40.52 6 (8 mm)

*** Nominal voltage (U_N) : 5 - 6 - 7 - 9 - 12 - 14 - 18 - 21 -24 - 28 - 36 - 48 - 60 - 90 -110 - 125 V DC





(D)

1

1,000

-40...+85

RT II**

(FI)

(1)



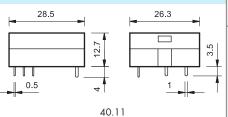
40 Series - Miniature PCB/Plug-in relays 8 - 10 - 16 A

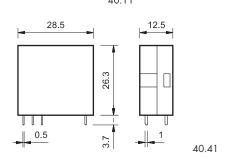
Features

1 Pole relay range 40.11 - 1 Pole 10 A (Flat pack) 40.11-2016 - 1 Pole 16 A (Flat pack) 40.41 - 1 Pole 10 A (Vertical)

PCB mount

- direct or via PCB socket (40.41 version)
- DC coils
- Cadmium Free option available
- 8 mm, 6 kV (1.2/50 µs) isolation, coil-contacts
- 40.41 NO version available





FOR UL RATINGS SEE: "General technical information" page V

40.11



- 1 Pole 10 A
- Flat pack
- PCB mount

40.11-2016



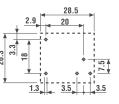
- 1 Pole 16 A • Flat pack
- PCB mount

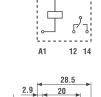


40.41

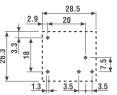
- 1 Pole 10 A
- Vertical
- PCB or 95 series socket

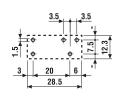












Copper	side	view

1,000

-40...+70

RT I

Copper side view

Copper side view

General technical information page v	l				
Contact specification					
Contact configuration					
Rated current/Maximum peak current A	Ī				
Rated voltage/Maximum switching voltage V AC	Ī				
Rated load AC1 VA	Γ				
Rated load AC15 (230 V AC) VA	Ī				
Single phase motor rating (230 V AC) kW	Ī				
Breaking capacity DC1: 30/110/220 V A	Ī				
Minimum switching load mW (V/mA)	Ī				
Standard contact material	Γ				
Coil specification					
Nominal voltage (U_N) V AC (50/60 Hz)					
V DC	Ī				
Rated power AC/DC/sens. DC VA (50 Hz)/W/W	Ī				
Operating range AC	Γ				
DC/sens. DC	Γ				
Holding voltage AC/DC					
Must drop-out voltage AC/DC					

cycles

cycles

Technical data

Mechanical life AC/DC

Operate/release time

Electrical life at rated load AC1

Ambient temperature range

Approvals (according to type)

Environmental protection

Insulation between coil and contacts (1.2/50 µs) kV

Dielectric strength between open contacts V AC

1 CO (SPDT)	1 CO (SPDT)
16/30	10/20
250/400	250/400
4,000	2,500
750	500
0.55	0.37
16/0.3/0.12	10/0.3/0.12
500 (10/5)	300 (5/5)
AgCdO	AgCdO
_	_
6 - 12 - 24 - 48	6 - 12 - 24 - 48 - 60
-/-/0.5	-/-/0.5
_	_
-/(0.731.5)U _N	-/(0.731.75)U _N
$-/0.4 U_N$	$-/0.4 U_N$
-/0.1 U _N	-/0.1 U _N
−/20 · 10 ⁶	−/20 · 10 ⁶
50 · 10³	200 · 10³
12/4	12/4
6 (8 mm)	6 (8 mm)
	16/30 250/400 4,000 750 0.55 16/0.3/0.12 500 (10/5) AgCdO 6-12-24-48 -/-/0.5/(0.731.5)U _N -/0.4 U _N -/0.1 U _N -/20 · 10 ⁶ 50 · 10 ³ 12/4



1,000

-40...+70

RT I

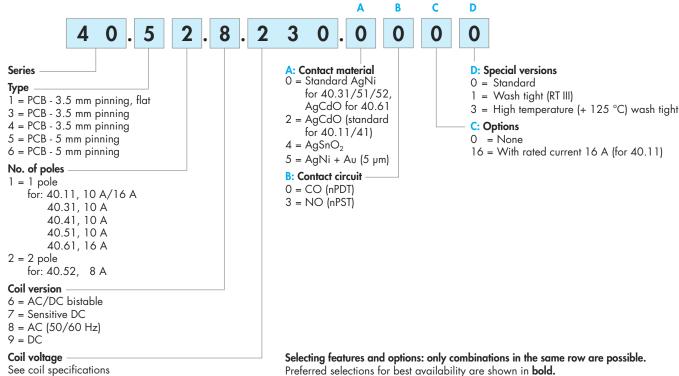
1,000 -40...+70

RT I



Ordering information

Example: 40 series PCB relay, 2 CO (DPDT), 230 V AC coil.



Preferred selections for best availability are shown in **bold**.

Туре	Coil version	A	В	С	D
40.11	sensitive DC	2 - 4	0	0	0
40.11	sensitive DC	2 - 4	0	16	/
40.41	sensitive DC	0 - 2	0 - 3	0	0
40.31/51	AC-sens. DC	0 - 2 - 5	0 - 3	0	0 - 1
40.31/51	DC	0 - 2 - 5	0 - 3	0	0 - 1 - 3
40.52	AC-sens. DC	0 - 2 - 5	0 - 3	0	0 - 1
40.52	DC	0-2-5	0 - 3	0	0 - 1 - 3
40.61	AC-sens. DC	0 - 4	0 - 3	0	0 - 1
40.61	DC	0 - 4	0 - 3	0	0 - 1 - 3
40.31/51/	bistable	0	0	0	0
52/61					



40 Series - Miniature PCB/Plug-in relays 8 - 10 - 16 A

Technical data

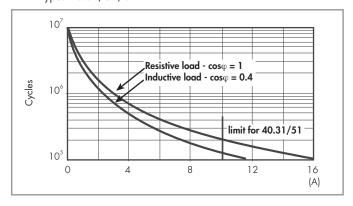
Insulation according to EN 61810-	1					
			1 pole		2 pole	
Nominal voltage of supply system	V AC	230/400	1	230/400		
Rated insulation voltage	V AC	250	400	250	400	
Pollution degree		3	2	3	2	
Insulation between coil and contact	set					
Type of insulation		Reinforce	d (8 mm)	Reinforced (8	mm)	
Overvoltage category		III		III		
Rated impulse voltage	kV (1.2/50 μs)	6		6		
Dielectric strength	V AC	4,000		4,000		
Insulation between adjacent contac	ts					
Type of insulation		_		Basic		
Overvoltage category		_		II	II	
Rated impulse voltage	Rated impulse voltage kV (1.2/50 µs)		_		2.5	
Dielectric strength	V AC	_ 2,0		2,000		
Insulation between open contacts						
Type of disconnection		Micro-disc	connection	Micro-disconn	ection	
Dielectric strength	V AC/kV (1.2/50 µs)	1,000/1.5				
Conducted disturbance immunity				,		
Burst (550)ns, 5 kHz, on A1 - A2	2	EN 6100	0-4-4	level 4 (4 kV)		
Surge (1.2/50 µs) on A1 - A2 (diff	erential mode)	EN 61000-4-5 level 3 (2 kV)				
Other data				·		
Bounce time: NO/NC	ms	2/5				
Vibration resistance (555)Hz: N	O/NC g	10/4 (1 changeover) 15/3 (2 changeover)		geover)		
Shock resistance	g	13				
Power lost to the environment	without contact current W	0.6				
	with rated current W	1.2 (40.1	1/31/41/51)	2 (40.61/52)	/40.11-2016)	
Recommended distance between re	elays mounted on PCB mm	≥ 5				



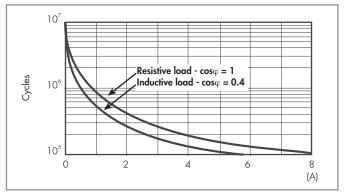


Contact specification

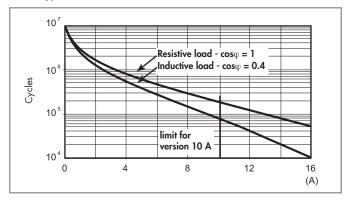
F 40 - Electrical life (AC) v contact current Types 40.31/51/61



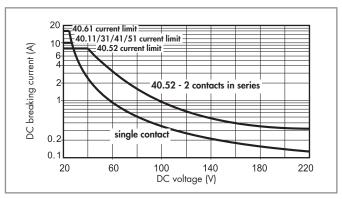
F 40 - Electrical life (AC) v contact current Type 40.52



F 40 - Electrical life (AC) v contact current Types 40.11/41



H 40 - Maximum DC1 breaking capacity



- 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 - 0.65 W standard (types 40.31/51/52/61)

Nominal	Coil	Operatir	Operating range		Rated coil
voltage	code				consumption
U _N		U_{min}	U_{max}	R	I at U _N
V		V	V	Ω	mA
5	9 .005	3.65	7.5	38	130
6	9 .006	4.4	9	55	109
7	9 .007	5.1	10.5	75	94
9	9 .009	6.6	13.5	125	72
12	9 .012	8.8	18	220	55
14	9 .014	10.2	21	300	47
18	9 .018	13.1	27	500	36
21	9 .021	15.3	31.5	700	30
24	9 .024	17.5	36	900	27
28	9 .028	20.5	42	1,200	23
36	9 .036	26.3	54	2,000	18
48	9 .048	35	72	3,500	14
60	9 .060	43.8	90	5,500	11
90	9 .090	65.7	135	12,500	7.2
110	9 .110	80.3	165	18,000	6.2
125	9 .125	91.2	188	23,500	5.3

DC coil data - 0.5 W sensitive (types 40.31/51/52/61)

Nominal	Coil	Operatin	g range	Resistance	Rated coil
voltage	code				consumption
U _N		U _{min} *	U _{max} **	R	I at U _N
V		V	V	Ω	mA
5	7 .005	3.7	8.8	50	100
6	7 .006	4.4	10.5	75	80
7	7 .007	5.1	12.2	100	70
9	7 .009	6.6	15.8	160	56
12	7 .012	8.8	21	300	40
14	7 .014	10.2	24.5	400	35
18	7 .018	13.2	31.5	650	27.7
21	7 .021	15.4	36.9	900	23.4
24	7 .024	17.5	42	1,200	20
28	7 .028	20.5	49	1,600	17.5
36	7 .036	26.3	63	2,600	13.8
48	7 .048	35	84	4,800	10
60	7 .060	43.8	105	7,200	8.4
90	7 .090	65.7	157	16,200	5.6
110	7 .110	80.3	192	23,500	4.7
125	7 .125	91.2	219	32,000	3.9

 $^{^*}U_{min} = 0.8 \ U_N \text{ for } 40.61$

DC coil data - 0.5 W sensitive (types 40.11/41)

Nominal	Coil	Operatir	ng range	Resistance	Rated coil
voltage	code				consumption
U _N		U _{min}	U_{max^*}	R	I at U _N
V		V	V	Ω	mA
6	7 .006	4.4	10.5	75	80
12	7 .012	8.8	21	300	40
24	7 .024	17.5	42	1,200	20
48	7 .048	35	84	4,600	10.4
60	7 .060	43.8	105	7,200	8.3

 $[*]U_{max} = 1.5 U_{N} \text{ for } 40.11-2016$

AC coil data (types 40.31/51/52/61)

	171		<u>'</u>		
Nominal	Coil	Operatir	Operating range		Rated coil
voltage	code				consumption
U _N		U_{min}	U _{max}	R	I at U _N (50Hz)
V		V	V	Ω	mA
6	8 .006	4.8	6.6	21	168
12	8 .012	9.6	13.2	80	90
24	8 .024	19.2	26.4	320	45
48	8 .048	38.4	52.8	1,350	21
60	8 .060	48	66	2,100	16.8
110	8 .110	88	121	6,900	9.4
120	8 .120	96	132	9,000	8.4
230	8 .230	184	253	28,000	5
240	8 .240	192	264	31,500	4.1

AC/DC coil data - bistable (types 40.31/51/52/61)

Nominal	Coil	Operatin	g range	Resistance	Rated coil	DC: Release
voltage	code				consumption	resistance**
U_N		U _{min}	U_{max}	R	I at U _N	R _{DC}
V		V	V	Ω	mA	Ω
5	6 .005	4	5.5	23	215	37
6	6 .006	4.8	6.6	33	165	62
12	6 .012	9.6	13.2	130	83	220
24	6 .024	19.2	26.4	520	40	910
48	6 .048	38.4	52.8	2,100	21	3,600
110	6 .110	88	121	11,000	10	16,500

^{**} R_{DC} = Resistance in DC, R_{AC} = 1.3 x R_{DC} 1W

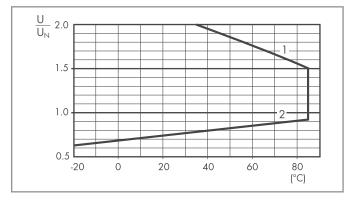
 $^{**}U_{max} = 1.5 U_{N} \text{ for } 40.61$



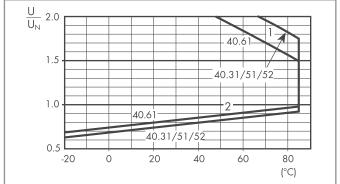
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Coil specifications

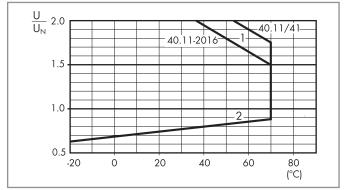
R 40 - DC coil operating range v ambient temperature Standard coil



R 40 - DC coil operating range v ambient temperature Sensitive coil, types 40.31/51/52/61

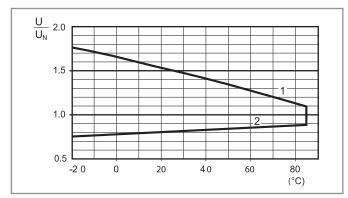


R 40 - DC coil operating range v ambient temperature Sensitive coil, types 40.11/41



- 1 Max. permitted coil voltage.
- 2 Min. pick-up voltage with coil at ambient temperature.

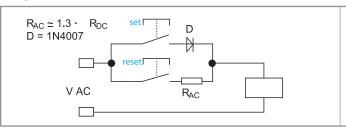
R 40 - AC coil operating range v ambient temperature



- 1 Max. permitted coil voltage.
- 2 Min. pick-up voltage with coil at ambient temperature.

Wiring diagram for 40 series bistable coil version

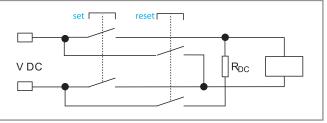
AC Operation



On momentary closure of the SET switch the relay is magnetised through the diode and the relay contacts transfer to the set position and remain in this position

On momentary closure of the RESET switch the relay is demagnetised through limiting resistor (R_{AC}) and the contacts return to the reset position.

DC Operation



On momentary closure of the SET switch the relay is magnetised and the relay contacts transfer to the set position and remain in this position. On momentary closure of the RESET switch the relay is demagnetised through limiting resistor (R_{DC}) and the contacts return to the reset position.

Notes: The minimum SET or RESET impulse time is 20 ms. The maximum time can be continuous. In practice, always ensure that the SET and RESET contacts cannot be operated simultaneously.

finder

95 Series - Socket overview for 40 series relays



95.05	3
See page	10

Module	Socket	Relay	Description	Mounting	Accessories
99.02	95.03	40.31	Screw terminal (Box clamp) socket	Panel or 35 mm rail	- Coil indication and EMC
	95.05	40.51	- Top terminals - Contacts	(EN 60715) mount	suppression modules
ALC: N		40.52	- Bottom terminals - Coil		- Jumper link
-		40.61			- Timer modules
Section 1					- Plastic retaining and release
737					clip



	Socket		•	Mounting	Accessories
99.80	95.83.3	40.31	Screw terminal (Box clamp) socket	Panel or 35 mm rail	- Coil indication and EMC
Alter	95.85.3	40.51	95.83.3 wiring:	(EN 60715) mount	suppression modules
		40.52	- Top terminals - Contacts		- Jumper link
趨		40.61	- Bottom terminals - Coil		- Plastic retaining and release clip



Module	Socket	Relay	Description	Mounting	Accessories
99.80	95.93.3	40.31	Screw terminal (Box clamp) socket	Panel or 35 mm rail	- Coil indication and EMC
-	95.95.3	40.51	- Top terminals - Contacts	(EN 60715) mount	suppression modules
SECTION 1		40.52	- Bottom terminals - Coil		- Jumper link
100		40.61			- Plastic retaining and release
Par					clip



0		
See	page	13

1	Module	Socket	Relay	Description	Mounting	Accessories
	99.02	95.55	40.51	Screwless terminal socket	Panel or 35 mm rail	- Coil indication and EMC
L			40.52	- For fast cable connections	(EN 60715) mount	suppression modules
	STORY .		40.61	- Top terminals - Contacts		- Timer modules
П	-			- Bottom terminals - Coil		- Plastic retaining and release
	STATE OF THE PARTY					clip
	TELL					
L						



See page 14

Module	Socket	Relay	Description	Mounting	Accessories
99.80	95.55.3	40.51	Screwless terminal socket	Panel or 35 mm rail	- Coil indication and EMC
-		40.52	For fast cable connections	(EN 60715) mount	suppression modules
		40.61	- Top terminals - Contacts - Bottom terminals - Coil		- Plastic retaining and release clip



95.63	•	4
See page	1	5

Modu	le Socket	Relay	Description	Mounting	Accessories
99.0	1 95.63	40.31	Screw terminal (Box clamp) socket	Panel or 35 mm rail	- Coil indication and EMC
			- Top terminals - Contacts - Bottom terminals - Coil	(EN 60715) mount	suppression modules - Metal retaining clip

Mounting

Panel or 35 mm rail

(EN 60715) mount

Accessories

- Metal retaining clip



Module Socket

95.65

Relay

40.51

40.52

40.61

40.52 40.61

Description

Screw terminal (Box clamp) socket

See page 15

-	700	
-		
4		

95.13.2 See page 16

Module	Socket	Relay	Description	Mounting	Accessories
_	95.13.2	40.31	PCB socket	PCB mounting	- Metal retaining clip
		40.41			- Plastic retaining clip
_	95.15.2	40.51			





Approvals (according to type):





combinations

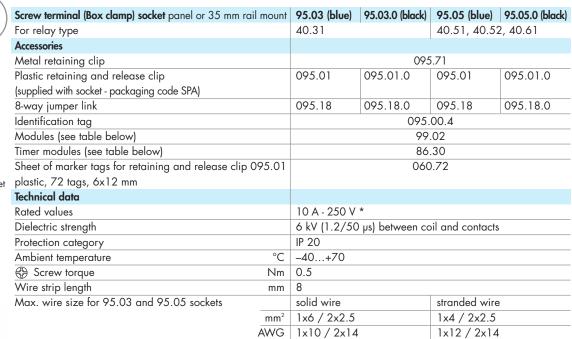




095.01

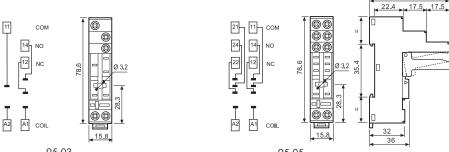


060.72



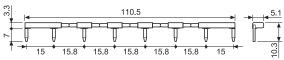
* For currents >10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12). With the relay 40.51 the change-over contact will be 21-12-14.

60.9





93.03	95.05	
8-way jumper link for 95.03 and 95.05 sockets	095.18 (blue)	095.18.0 (black)
Rated values	10 A - 250 V	





Approvals (according to type):



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

86 series timer modules	
(1224)V AC/DC; Bi-function: AI, DI; (0.05s100h)	86.30.0.024.0000
(110125)V AC; Bi-function: AI, DI; (0.05s100h)	86.30.8.120.0000
(230240)V AC; Bi-function: AI, DI; (0.05s100h)	86.30.8.240.0000

Approvals

(according to type): (C (C)

(decording to type). CE CALUS					
99.02 coil indication and EMC suppression modules for 95.03 and 95.05 sockets					
Diode (+A1, standard polarity)	(6220)V DC	99.02.3.000.00			
LED	(624)V DC/AC	99.02.0.024.59			
LED	(2860)V DC/AC	99.02.0.060.59			
LED	(110240)V DC/AC	99.02.0.230.59			
LED + Diode (+A1, standard polarity)	(624)V DC	99.02.9.024.99			
LED + Diode (+A1, standard polarity)	(2860)V DC	99.02.9.060.99			
LED + Diode (+A1, standard polarity)	(110220)V DC	99.02.9.220.99			
LED + Varistor	(624)V DC/AC	99.02.0.024.98			
LED + Varistor	(2860)V DC/AC	99.02.0.060.98			
LED + Varistor	(110240)V DC/AC	99.02.0.230.98			
RC circuit	(624)V DC/AC	99.02.0.024.09			
RC circuit	(2860)V DC/AC	99.02.0.060.09			
RC circuit	(110240)V DC/AC	99.02.0.230.09			
Residual current by-pass	(110240)V AC	99.02.8.230.07			
	·				





Approvals (according to type):

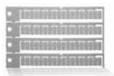








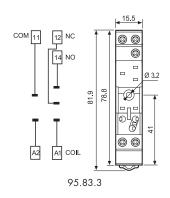
095.91.3

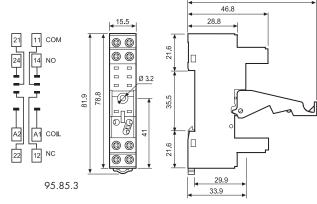


060.72

Screw terminal (Box clamp) socket panel or 35 mm rail mount	95.83.3 (blue)	95.83.30 (black)	95.85.3 (blue)	95.85.30 (black)
For relay type	40.31		40.51, 40.52	2, 40.61
Accessories				
Metal retaining clip		095	5.71	
Plastic retaining and release clip	095.91.3	095.91.30	095.91.3	095.91.30
(supplied with socket - packaging code SPA)				
8-way jumper link	095.08	095.08.0	095.08	095.08.0
Identification tag		095.	80.3	
Modules (see table below)		99.	.80	
Sheet of marker tags for retaining and release clip 095.91.3	060.72			
plastic, 72 tags, 6x12 mm				
Technical data				
Rated values	10 A - 250 V			
Dielectric strength	6 kV (1.2/50	6 kV (1.2/50 µs) between coil and contacts (95.83.3 only)		
Protection category	IP 20			
Ambient temperature °C	-40+70			
⊕ Screw torque Nm	0.5			
Wire strip length mm	7			
Max. wire size for 95.83.3 and 95.85.3 sockets	solid wire		stranded wire	•
m ²	1x6 / 2x2.5		1x4 / 2x2.5	
AWG	1x10 / 2x14		1x12 / 2x14	

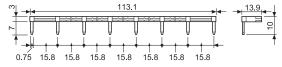
^{*} For currents >10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12). With the relay 40.51 the change-over contact will be 21-12-14.







8-way jumper link for 95.83.3 and 95.85.3 sockets	095.08 (blue)	095.08.0 (black)
Rated values	10 A - 250 V	





Approvals (according to type):



* Modules in Black housing are available on request.

Green LED is standard. Red LED available on request.

99.80 coil indication and EMC suppression modules for 95.83.3 and 95.85.3 sockets			
		Blue*	
Diode (+A1, standard polarity)	(6220)V DC	99.80.3.000.00	
LED	(624)V DC/AC	99.80.0.024.59	
LED	(2860)V DC/AC	99.80.0.060.59	
LED	(110240)V DC/AC	99.80.0.230.59	
LED + Diode (+A1, standard polarity)	(624)V DC	99.80.9.024.99	
LED + Diode (+A1, standard polarity)	(2860)V DC	99.80.9.060.99	
LED + Diode (+A1, standard polarity)	(110220)V DC	99.80.9.220.99	
LED + Varistor	(624)V DC/AC	99.80.0.024.98	
LED + Varistor	(2860)V DC/AC	99.80.0.060.98	
LED + Varistor	(110240)V DC/AC	99.80.0.230.98	
RC circuit	(624)V DC/AC	99.80.0.024.09	
RC circuit	(2860)V DC/AC	99.80.0.060.09	
RC circuit	(110240)V DC/AC	99.80.0.230.09	
Residual current by-pass	(110240)V AC	99.80.8.230.07	





Approvals (according to type):



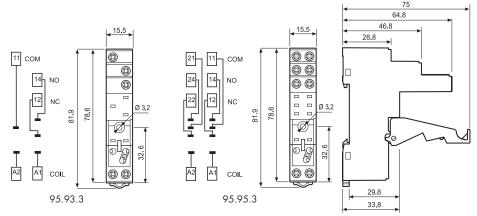




060.72

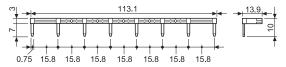
Screw (Box clamp) terminal socket panel or 35 mm rail mount	95.93.3 (blue)	95.93.30 (black)	95.95.3 (blue)	95.95.30 (black)
For relay type	40.31		40.51, 40.52	2, 40.61
Accessories				
Metal retaining clip		095	.71	
Plastic retaining and release clip	095.91.3	095.91.30	095.91.3	095.91.30
8-way jumper link	095.08	095.08.0	095.08	095.08.0
Identification tag		095.	80.3	
Modules (see table below)		99.	80	
Sheet of marker tags for retaining and release clip 095.91.3		060.72		
plastic, 72 tags, 6x12 mm				
Technical data				
Rated values	10 A - 250 V	*		
Dielectric strength	6 kV (1.2/50	µs) between co	il and contacts	i
Protection category	IP 20	IP 20		
Ambient temperature °C	-40+70			
Screw torque Nm	0.5			
Wire strip length mm	8			
Max. wire size for 95.93.3 and 95.95.3 sockets	solid wire		stranded wire	;
$\overline{m^2}$	1x6 / 2x2.5		1x4 / 2x2.5	
AWG	1x10 / 2x14		1x12 / 2x14	

^{*} For currents >10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12). With the relay 40.51 the change-over contact will be 21-12-14.





8-way jumper link for 95.93.3 and 95.95.3 sockets	095.08 (blue)	095.08.0 (black)
Rated values	10 A - 250 V	





Approvals (according to type):



* Modules in Black housing are available on request.

Green LED is standard. Red LED available on request.

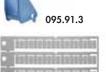
99.80 coil indication and EMC suppression modules for 95.93.3 and 95.95.3 sockets				
		Blue*		
Diode (+A1, standard polarity)	(6220)V DC	99.80.3.000.00		
LED	(624)V DC/AC	99.80.0.024.59		
LED	(2860)V DC/AC	99.80.0.060.59		
LED	(110240)V DC/AC	99.80.0.230.59		
LED + Diode (+A1, standard polarity)	(624)V DC	99.80.9.024.99		
LED + Diode (+A1, standard polarity)	(2860)V DC	99.80.9.060.99		
LED + Diode (+A1, standard polarity)	(110220)V DC	99.80.9.220.99		
LED + Varistor	(624)V DC/AC	99.80.0.024.98		
LED + Varistor	(2860)V DC/AC	99.80.0.060.98		
LED + Varistor	(110240)V DC/AC	99.80.0.230.98		
RC circuit	(624)V DC/AC	99.80.0.024.09		
RC circuit	(2860)V DC/AC	99.80.0.060.09		
RC circuit	(110240)V DC/AC	99.80.0.230.09		
Residual current by-pass	(110240)V AC	99.80.8.230.07		





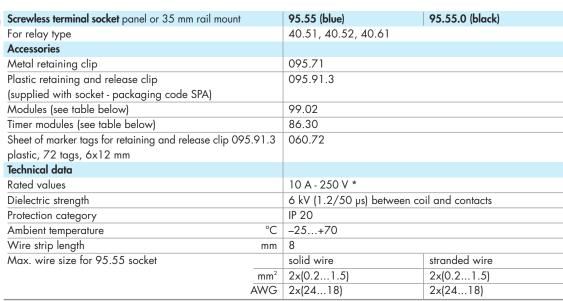
Approvals (according to type):



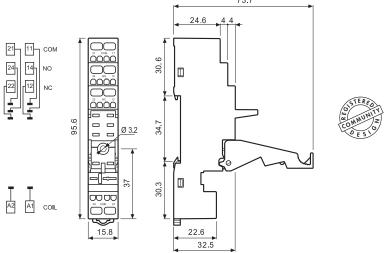


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060.72



^{*} For currents >10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12). With the relay 40.51 the change-over contact will be 21-12-14.







Approvals (according to type):

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

86 series timer modules			
(1224)V AC/DC; Bi-function: AI, DI; (0.05s100h)	86.30.0.024.0000		
(110125)V AC; Bi-function: AI, DI; (0.05s100h)	86.30.8.120.0000		
(230240)V AC; Bi-function: Al, DI; (0.05s100h) 86.30.8.240.0000			

Approvals

99.02 coil indication and EMC suppression modules for 95.55 socket					
Diode (+A1, standard polarity)	(6220)V DC	99.02.3.000.00			
LED	(624)V DC/AC	99.02.0.024.59			
LED	(2860)V DC/AC	99.02.0.060.59			
LED	(110240)V DC/AC	99.02.0.230.59			
LED + Diode (+A1, standard polarity)	(624)V DC	99.02.9.024.99			
LED + Diode (+A1, standard polarity)	(2860)V DC	99.02.9.060.99			
LED + Diode (+A1, standard polarity)	(110220)V DC	99.02.9.220.99			
LED + Varistor	(624)V DC/AC	99.02.0.024.98			
LED + Varistor	(2860)V DC/AC	99.02.0.060.98			
LED + Varistor	(110240)V DC/AC	99.02.0.230.98			
RC circuit	(624)V DC/AC	99.02.0.024.09			
RC circuit	(2860)V DC/AC	99.02.0.060.09			
RC circuit	(110240)V DC/AC	99.02.0.230.09			
Residual current by-pass	(110240)V AC	99.02.8.230.07			





Approvals (according to type):



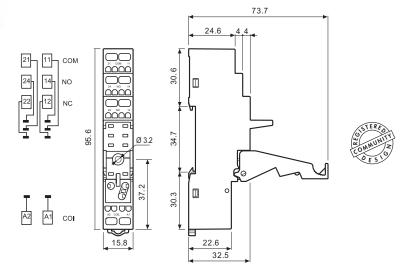




060.72

Screwless terminal socket panel or 35 mm rail mount	95.55.3 (blue)	95.55.30 (black)
For relay type	40.51, 40.52, 40.61	
Accessories		
Metal retaining clip	095.71	
Plastic retaining and release clip	095.91.3	
(supplied with socket - packaging code SPA)		
Modules (see table below)	99.80	
Sheet of marker tags for retaining and release clip 095.91.3	060.72	
plastic, 72 tags, 6x12 mm		
Technical data		
Rated values	10 A - 250 V *	
Dielectric strength	6 kV (1.2/50 µs) between co	oil and contacts
Protection category	IP 20	
Ambient temperature °C	-25+70	
Wire strip length mm	8	
Max. wire size for 95.55.3 socket	solid wire	stranded wire
mm^2	2x(0.21.5)	2x(0.21.5)
AWG	2x(2418)	2x(2418)

^{*} For currents >10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12). With the relay 40.51 the change-over contact will be 21-12-14.





Approvals (according to type):



* Modules in Black housing are available on request.

Green LED is standard. Red LED available on request.

99.80 coil indication and EMC suppression mod	dules for 95.55.3 socket	
		Blue*
Diode (+A1, standard polarity)	(6220)V DC	99.80.3.000.00
LED	(624)V DC/AC	99.80.0.024.59
LED	(2860)V DC/AC	99.80.0.060.59
LED	(110240)V DC/AC	99.80.0.230.59
LED + Diode (+A1, standard polarity)	(624)V DC	99.80.9.024.99
LED + Diode (+A1, standard polarity)	(2860)V DC	99.80.9.060.99
LED + Diode (+A1, standard polarity)	(110220)V DC	99.80.9.220.99
LED + Varistor	(624)V DC/AC	99.80.0.024.98
LED + Varistor	(2860)V DC/AC	99.80.0.060.98
LED + Varistor	(110240)V DC/AC	99.80.0.230.98
RC circuit	(624)V DC/AC	99.80.0.024.09
RC circuit	(2860)V DC/AC	99.80.0.060.09
RC circuit	(110240)V DC/AC	99.80.0.230.09
Residual current by-pass	(110240)V AC	99.80.8.230.07





Approvals (according to type):



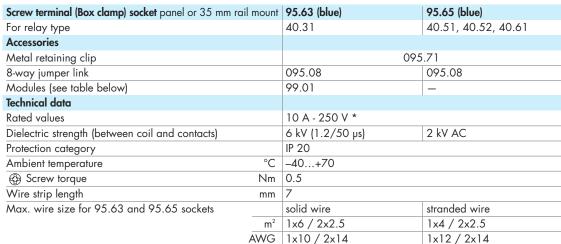




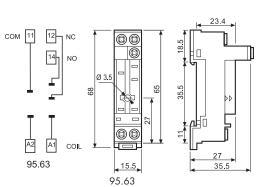


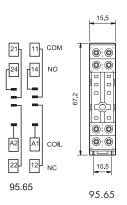
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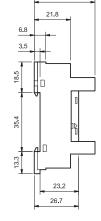




^{*} For currents > 10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12). With the relay 40.51 the change-over contact will be 21-12-14.

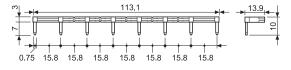








8-way jumper link for 95.63 and 95.65 sockets	095.08 (blue)
Rated values	10 A - 250 V





Approvals (according to type):



* Modules in Black housing are available on request.

Green LED is standard. Red LED available on request.

99.01 coil indication and EMC suppression modules for type 95.63 socket				
•		Blue*		
Diode (+A1, standard polarity)	(6220)V DC	99.01.3.000.00		
Diode (+A2, non-standard polarity)	(6220)V DC	99.01.2.000.00		
LED	(624)V DC/AC	99.01.0.024.59		
LED	(2860)V DC/AC	99.01.0.060.59		
LED	(110240)V DC/AC	99.01.0.230.59		
LED + Diode (+A1, standard polarity)	(624)V DC	99.01.9.024.99		
LED + Diode (+A1, standard polarity)	(2860)V DC	99.01.9.060.99		
LED + Diode (+A1, standard polarity)	(110220)V DC	99.01.9.220.99		
LED + Diode (+A2, non-standard polarity)	(624)V DC	99.01.9.024.79		
.ED + Diode (+A2, non-standard polarity)	(2860)V DC	99.01.9.060.79		
LED + Diode (+A2, non-standard polarity)	(110220)V DC	99.01.9.220.79		
LED + Varistor	(624)V DC/AC	99.01.0.024.98		
LED + Varistor	(2860)V DC/AC	99.01.0.060.98		
LED + Varistor	(110240)V DC/AC	99.01.0.230.98		
RC circuit	(624)V DC/AC	99.01.0.024.09		
RC circuit	(2860)V DC/AC	99.01.0.060.09		
RC circuit	(110240)V DC/AC	99.01.0.230.09		
Residual current by-pass	(110240)V AC	99.01.8.230.07		



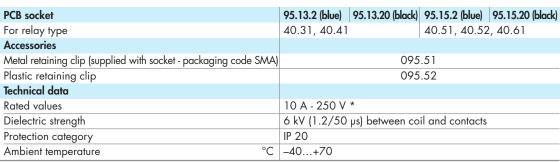




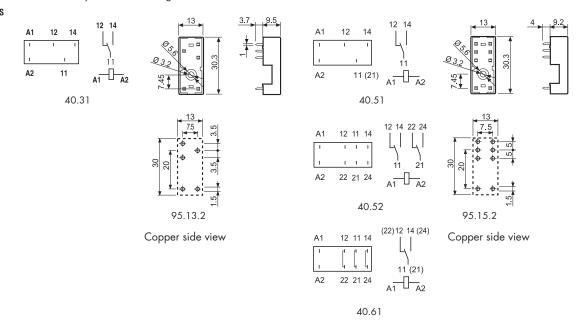








^{*} For currents >10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12). With the relay 40.51 the change-over contact will be 21-12-14.



Packaging codes

How to code and identify retaining clip and packaging options for sockets.

Example:

