

Features

Printed circuit mount, general purpose

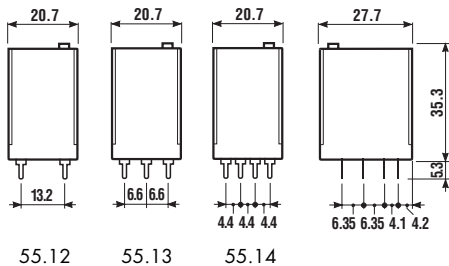
2, 3 & 4 Pole relays

55.12 - 2 Pole 10 A

55.13 - 3 Pole 10 A

55.14 - 4 Pole 7 A

- AC coils & DC coils
- Cadmium Free contacts (preferred version)
- Contact material options
- RT III (wash tight) option available



55.12

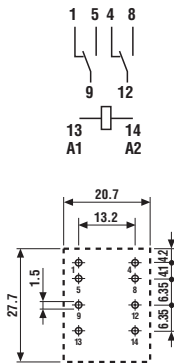
55.13

55.14

55.12



- 2 pole 10 A
- PCB mount

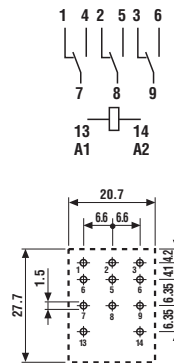


Copper side view

55.13



- 3 pole 10 A
- PCB mount

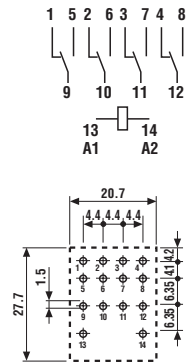


Copper side view

55.14



- 4 pole 7 A
- PCB mount



Copper side view

55

Contact specification

Contact configuration	2 CO (DPDT)	3 CO (3PDT)	4 CO (4PDT)
Rated current/Maximum peak current A	10/20	10/20	7/15
Rated voltage/Maximum switching voltage V AC	250/400	250/400	250/250
Rated load AC1 VA	2,500	2,500	1,750
Rated load AC15 (230 V AC) VA	500	500	350
Single phase motor rating (230 V AC) kW	0.37	0.37	0.125
Breaking capacity DC1: 30/110/220 VA	10/0.25/0.12	10/0.25/0.12	7/0.25/0.12
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 (U_N)	V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240	
	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220	
Rated power AC/DC	VA (50 Hz)/W	1.5/1	1.5/1
Operating range	AC	$(0.8 \dots 1.1) U_N$	$(0.8 \dots 1.1) U_N$
	DC	$(0.8 \dots 1.1) U_N$	$(0.8 \dots 1.1) U_N$
Holding voltage	AC/DC	$0.8 U_N / 0.5 U_N$	$0.8 U_N / 0.5 U_N$
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	$20 \cdot 10^6 / 50 \cdot 10^6$	$20 \cdot 10^6 / 50 \cdot 10^6$	$20 \cdot 10^6 / 50 \cdot 10^6$
Electrical life at rated load AC1	cycles	$200 \cdot 10^3$	$200 \cdot 10^3$	$150 \cdot 10^3$
Operate/release time	ms	9/3	9/3	9/3
Insulation between coil and contacts (1.2/50 μ s) kV		3.6	3.6	3.6
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 I	RT I	RT I

Approvals (according to type)



Features

Plug-in mount, general purpose

2, 3 & 4 Pole relays

55.32 - 2 Pole 10 A

55.33 - 3 Pole 10 A

55.34 - 4 Pole 7 A

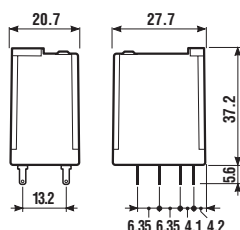
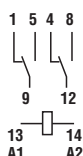
- Lockable test button and mechanical flag indicator as standard on 2 & 4 pole types
- AC coils & DC coils
- UL Listed (certain relay/socket combinations)
- Cadmium Free contacts (preferred version)
- Contact material options
- Rear flange mount option
- 94 series sockets, coil suppression and timer accessories

55

55.32



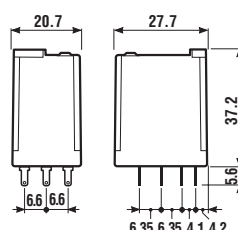
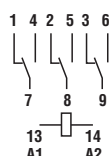
- 2 pole 10 A
- Plug-in 94 series sockets



55.33



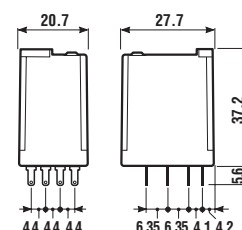
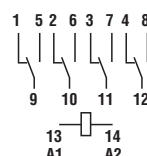
- 3 pole 10 A
- Plug-in 94 series sockets



55.34



- 4 pole 7 A
- Plug-in 94 series sockets



Contact specification

Contact configuration	2 CO (DPDT)	3 CO (3PDT)	4 CO (4PDT)
Rated current/Maximum peak current A	10/20	10/20	7/15
Rated voltage/Maximum switching voltage V AC	250/400	250/400	250/250
Rated load AC1 VA	2,500	2,500	1,750
Rated load AC15 (230 V AC) VA	500	500	350
Single phase motor rating (230 V AC) kW	0.37	0.37	0.125
Breaking capacity DC1: 30/110/220 V A	10/0.25/0.12	10/0.25/0.12	7/0.25/0.12
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 (U _N)	V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240		
	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220		
Rated power AC/DC	VA (50 Hz)/W	1.5/1	1.5/1	1.5/1
Operating range	AC	(0.8...1.1)U _N	(0.8...1.1)U _N	(0.8...1.1)U _N
	DC	(0.8...1.1)U _N	(0.8...1.1)U _N	(0.8...1.1)U _N
Holding voltage	AC/DC	0.8 U _N /0.5 U _N	0.8 U _N /0.5 U _N	0.8 U _N /0.5 U _N
Must drop-out voltage	AC/DC	0.2 U _N /0.1 U _N	0.2 U _N /0.1 U _N	0.2 U _N /0.1 U _N

Technical data

Mechanical life AC/DC	cycles	20 · 10 ⁶ /50 · 10 ⁶	20 · 10 ⁶ /50 · 10 ⁶	20 · 10 ⁶ /50 · 10 ⁶
Electrical life at rated load AC1	cycles	200 · 10 ³	200 · 10 ³	150 · 10 ³
Operate/release time	ms	9/3	9/3	9/3
Insulation between coil and contacts (1.2/50 μs) kV		3.6	3.6	3.6
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 I	RT I	RT I

Approvals (according to type)



Ordering information

Example: 55 series plug-in relay, 4 CO (4PDT), 12 V DC coil, lockable test button and mechanical indicator.

Series — 55

Type — 3
1 = PCB
3 = Plug-in

No. of poles — 4
2 = 2 pole, 10 A
3 = 3 pole, 10 A
4 = 4 pole, 7 A

Coil version — 9
8 = AC (50/60 Hz)
9 = DC

Coil voltage — 012
see coil specifications

A: Contact material
0 = Standard AgNi
2 = AgCdO
5 = AgNi + Au (5 µm)

B: Contact circuit
0 = CO (nPDT)

C: Options
0 = None
1 = Lockable test button
2 = Mechanical indicator
3 = LED (AC)
4 = Lockable test button+mechanical indicator
5 = Lockable test button + LED (AC)
54 = Lockable test button + LED (AC) + mechanical indicator
6 = Double LED (DC non-polarized)
7 = Lockable test button + double LED (DC non-polarized)
74 = Lockable test button + double LED (DC non-polarized) + mechanical indicator

D: Special versions
0 = Standard
1 = Wash tight (RT III) for 55.12, 55.13 and 55.14 only
6 = Rear flange mount

55

Selecting features and options: only combinations in the same row are possible.

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

Type	Coil version	A	B	C	D
55.32/34	AC-DC	0 - 2 - 5	0	0	0 - 6
	AC	0 - 2 - 5	0	2 - 3 - 4 - 5	0 - 6
	AC	0 - 2 - 5	0	54	/
	DC	0 - 2 - 5	0	2 - 4 - 6 - 7 - 8 - 9	0 - 6
	DC	0 - 2 - 5	0	74 - 94	/
55.33	AC-DC	0 - 2 - 5	0	0	0 - 6
	AC	0 - 2 - 5	0	1 - 3 - 5	0 - 6
	DC	0 - 2 - 5	0	1 - 6 - 7 - 8 - 9	0 - 6
55.12/13/14	AC-DC	0 - 2 - 5	0	0	0 - 1

Descriptions: Options and Special versions

C: Option 3, 5, 54
LED (AC)

C: Option 6, 7, 74
Double LED (DC non-polarized)

C: Option 8, 9, 94
LED + diode (DC, polarity positive to pin A1/13)

D: Special versions 6
Rear flange mount



Lockable test button and mechanical flag indicator (0040)

The dual-purpose Finder test button can be used in two ways:

Case 1) The plastic pip (located directly above the test button) remains intact. In this case, when the test button is pushed, the contacts operate. When the test button is released the contacts return to their former state.

Case 2) The plastic pip is broken-off (using an appropriate cutting tool). In this case, (in addition to the above function), when the test button is pushed and rotated, the contacts are latched in the operating state, and remain so until the test button is rotated back to its former position. In both cases ensure that the test button actuation is swift and decisive.

Technical data

Insulation

Insulation according to EN 61810-1 ed. 2	insulation rated voltage	V	400 (2-3 pole)	250 (4 pole)
	rated impulse withstand voltage	kV	3.6 (2-3 pole)	2.5 (4 pole)
	pollution degree		2	
	overvoltage category		III	

Insulation between coil and contacts (1.2/50 μ s)	kV	3.6		
Dielectric strength between open contacts	V AC	1,000		
Dielectric strength between adjacent contact	V AC	2,000 (2 CO)	2,000 (3 CO)	1,550 (4 CO)

Conducted disturbance immunity

Burst (5...50)ns, 5 kHz, on A1 - A2	EN 61000-4-4	level 4 (4 kV)
Surge (1.2/50 μ s) on A1 - A2 (differential mode)	EN 61000-4-5	level 4 (4 kV)

Other data

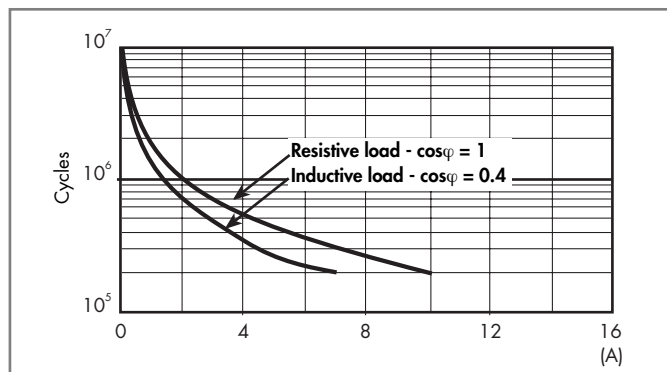
Bounce time: NO/NC	ms	1/4		
Vibration resistance (5...55)Hz, max. $\pm$ 1 mm: NO/NC	g/g	15/15		
Shock resistance	g	16		
Power lost to the environment	without contact current	W	1 (2 pole)	1 (3 pole)
	with rated current	W	3 (2 pole)	4 (3 pole)
Recommended distance between relays mounted on PCB	mm	$\geq$ 5		

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Contact specification

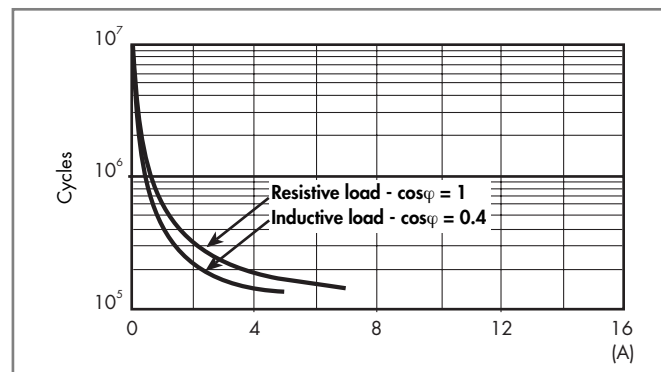
F 55 - Electrical life (AC) v contact current

2 and 3 pole relays

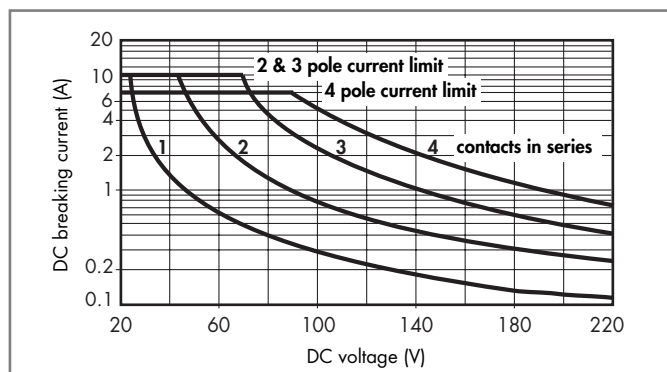


F 55 - Electrical life (AC) v contact current

4 pole relay



H 55 - Maximum DC1 breaking capacity



- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of $\geq 100 \cdot 10^3$ 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

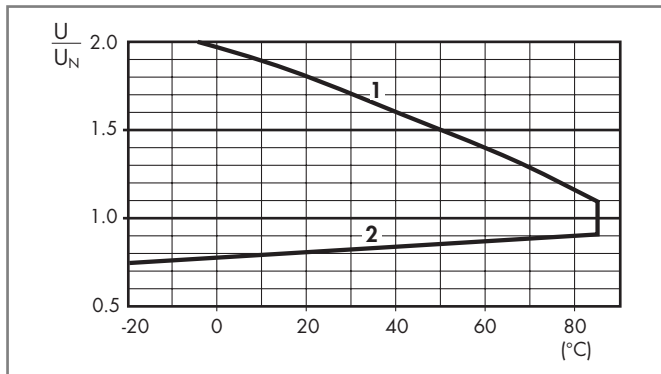
Nominal voltage U_N V	Coil code	Operating range		Resistance R Ω	Rated coil consumption I at U_N mA
		U_{min} V	U_{max} V		
6	9.006	4.8	6.6	40	150
12	9.012	9.6	13.2	140	86
24	9.024	19.2	26.4	600	40
48	9.048	38.4	52.8	2,400	20
60	9.060	48	66	4,000	15
110	9.110	88	121	12,500	8.8
125	9.125	100	137.5	17,300	7.2
220	9.220	176	242	54,000	4

AC coil data

Nominal voltage U_N V	Coil code	Operating range		Resistance R Ω	Rated coil consumption I at U_N (50Hz) mA
		U_{min} V	U_{max} V		
6	8.006	4.8	6.6	12	200
12	8.012	9.6	13.2	50	97
24	8.024	19.2	26.4	190	53
48	8.048	38.4	52.8	770	25
60	8.060	48	66	1,200	21
110	8.110	88	121	4,000	12.5
120	8.120	96	132	4,700	12
230	8.230	184	253	17,000	6
240	8.240	192	264	19,100	5.3

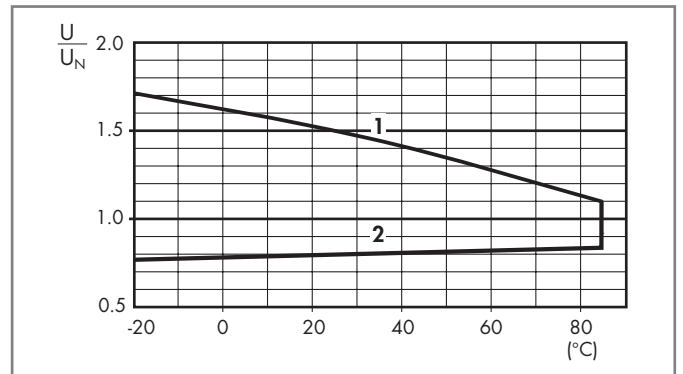
55

R 55 - DC coil operating range v ambient temperature



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

R 55 - AC coil operating range v ambient temperature



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

Accessories



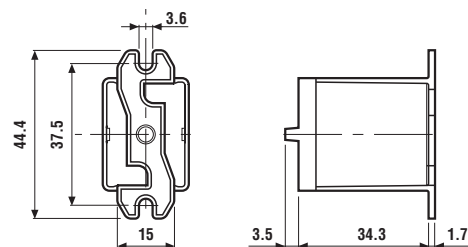
055.05



055.05 with relays

Adaptor with top mount flange for 55.32, 55.33, 55.34

055.05





94.04

See page 69



94.54.1

See page 70

Module	Socket	Relay	Description	Mounting	Accessories
99.02	94.02	55.32	Screw terminal (Box clamp) socket	Panel or 35 mm rail (EN 50022) mount	- Coil indication and EMC suppression modules - Jumper link - Timer modules - Plastic retaining and release clip
	94.03	55.33	Top terminals - Contacts		
	94.04	55.32 55.34	Bottom terminals - Coil		

Module	Socket	Relay	Description	Mounting	Accessories
99.80	94.54.1	55.32 55.34	Screwless terminal socket for fast cable connections Top terminals - Contacts Bottom terminals - Coil	35 mm rail (EN 50022) mount	- Coil indication and EMC suppression modules - Plastic retaining and release clip

Module	Socket	Relay	Description	Mounting	Accessories
99.01	94.72	55.32	Screw terminal (Plate clamp) socket	Panel or 35 mm rail (EN 50022) mount	- Coil indication and EMC suppression modules - Metal retaining clip
	94.73	55.33			
	94.74	55.34			

Module	Socket	Relay	Description	Mounting	Accessories
99.01	94.82	55.32	Screw terminal (Plate clamp) socket - 23 mm wide for space saving	Panel or 35 mm rail (EN 50022) mount	- Coil indication and EMC suppression modules - Metal retaining clip

Module	Socket	Relay	Description	Mounting	Accessories
99.80	94.82.3	55.32	Screw terminal (Box clamp) socket	Panel or 35 mm rail (EN 50022) mount	- Coil indication and EMC suppression modules - Jumper link - Plastic retaining and release clip
	94.84.3	55.32			
		55.34			

Module	Socket	Relay	Description	Mounting	Accessories
99.80	94.92.3	55.32	Screw terminal (Box clamp) socket	Panel or 35 mm rail (EN 50022) mount	- Coil indication and EMC suppression modules - Jumper link - Plastic retaining and release clip
	94.94.3	55.32			
		55.34			

Module	Socket	Relay	Description	Mounting	Accessories
—	94.12	55.32	PCB sockets	PCB mounting	- Metal retaining clip
—	94.13	55.33			
—	94.14	55.32 55.34			

Module	Socket	Relay	Description	Mounting	Accessories
—	94.22	55.32	Panel mount with solder connections	Panel mount on 1 mm thick panel	- Metal retaining clip
—	94.23	55.33			
—	94.24	55.32 55.34			

Module	Socket	Relay	Description	Mounting	Accessories
—	94.32	55.32	Panel mount with solder connections	M3 screw fixing	- Metal retaining clip
—	94.33	55.33			
—	94.34	55.32 55.34			



94.14

See page 73



94.22

See page 74



94.34

See page 74



94.04

Approvals
(according to type):



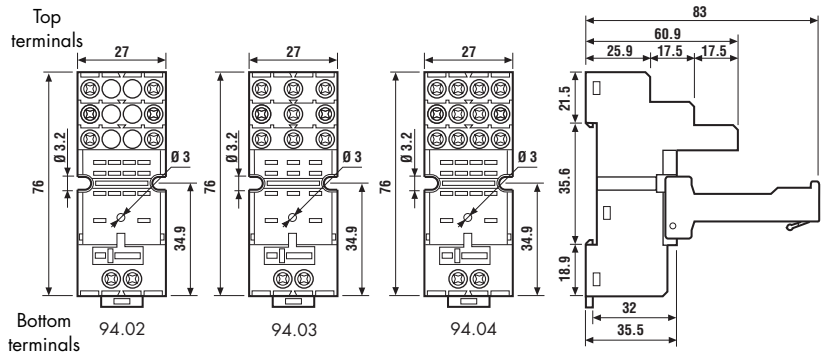
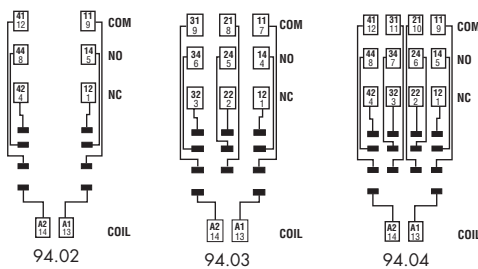
UL US Listed: certain relay/
socket combinations



094.01

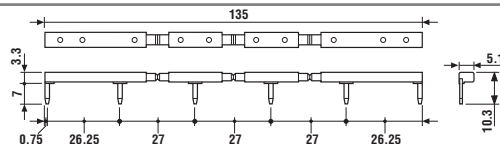


060.72



094.06

6-way jumper link for 94.02, 94.03 and 94.04 sockets	094.06
Rated values	10 A - 250 V



86.10

86 series timer modules (see technical data pages 182/186)	Blue
Mono-function: (12...24)V AC/DC; function AI; (1.5s...60min)	86.10.0.024.0000
Mono-function: (12...24)V AC/DC; function DI; (1.5s...60min)	86.20.0.024.0000

Approvals
(according to type):



99.02

Approvals
(according to type):



99.02 coil indication and EMC suppression modules for 94.02, 94.03 and 94.04 sockets	
See technical data pages 247/248	Blue*
Diode (+A1, standard polarity)	(6...220)V DC 99.02.3.000.00
LED	(6...24)V DC/AC 99.02.0.024.59
LED	(28...60)V DC/AC 99.02.0.060.59
LED	(110...240)V DC/AC 99.02.0.230.59
LED + Diode (+A1, standard polarity)	(6...24)V DC 99.02.9.024.99
LED + Diode (+A1, standard polarity)	(28...60)V DC 99.02.9.060.99
LED + Diode (+A1, standard polarity)	(110...220)V DC 99.02.9.220.99
LED + Varistor	(6...24)V DC/AC 99.02.0.024.98
LED + Varistor	(28...60)V DC/AC 99.02.0.060.98
LED + Varistor	(110...240)V DC/AC 99.02.0.230.98
RC circuit	(6...24)V DC/AC 99.02.0.024.09
RC circuit	(28...60)V DC/AC 99.02.0.060.09
RC circuit	(110...240)V DC/AC 99.02.0.230.09
Residual current by-pass (62 kΩ/1W)	(110...240)V AC 99.02.8.230.07

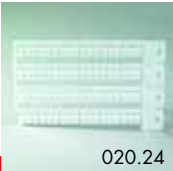
* Modules in Black
housing are
available on request.



094.92

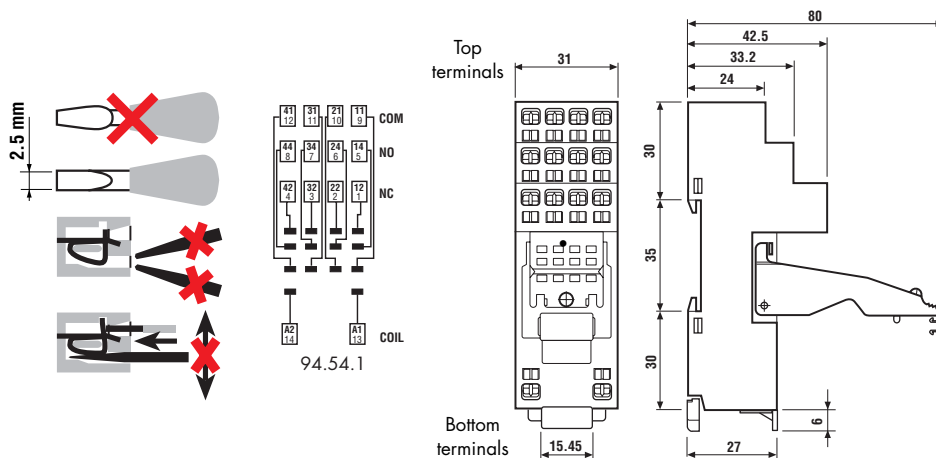
94.54.1

Approvals
(according to type):



020.24

Screwless terminal socket 35 mm rail (EN 50022) mount		94.54.1 (blue)	94.54.10 (black)
For relay type		55.32, 55.34	55.32, 55.34
Accessories			
Metal retaining clip			094.71
Plastic retaining and release clip			094.92
Modules (see table below)			99.80
Sheet of marker tags for retaining and release clip 094.92 plastic, 24 tags, 9x17 mm			020.24
Technical data			
Rated values		10 A - 250 V	
Dielectric strength		≥ 2 kV AC	
Protection category		IP 20	
Ambient temperature		°C -25...+70	
Wire strip length		mm 7	
Max. wire size for 94.54.1 socket		solid wire	stranded wire
		mm ² 2x(0.2...1.5)	2x(0.2...1.5)
		AWG 2x(24...18)	2x(24...18)



99.80

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 94.54.1 socket			Blue*
See technical data pages 247/248			
Diode (+A1, standard polarity)	(6...220)V DC		99.80.3.000.00
LED	(6...24)V DC/AC		99.80.0.024.59
LED	(28...60)V DC/AC		99.80.0.060.59
LED	(110...240)V DC/AC		99.80.0.230.59
LED + Diode (+A1, standard polarity)	(6...24)V DC		99.80.9.024.99
LED + Diode (+A1, standard polarity)	(28...60)V DC		99.80.9.060.99
LED + Diode (+A1, standard polarity)	(110...220)V DC		99.80.9.220.99
LED + Varistor	(6...24)V DC/AC		99.80.0.024.98
LED + Varistor	(28...60)V DC/AC		99.80.0.060.98
LED + Varistor	(110...240)V DC/AC		99.80.0.230.98
RC circuit	(6...24)V DC/AC		99.80.0.024.09
RC circuit	(28...60)V DC/AC		99.80.0.060.09
RC circuit	(110...240)V DC/AC		99.80.0.230.09
Residual current by-pass (62 kΩ/1W)	(110...240)V AC		99.80.8.230.07



94.74

Approvals
(according to type):



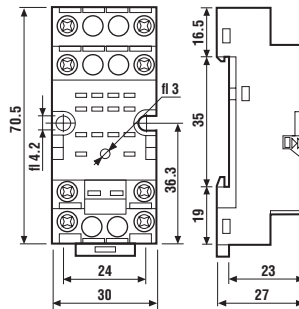
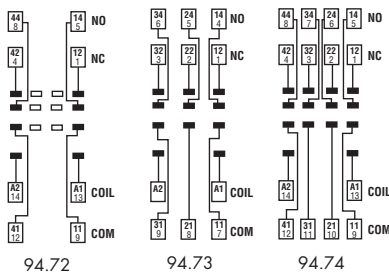
94.82

Approvals
(according to type):

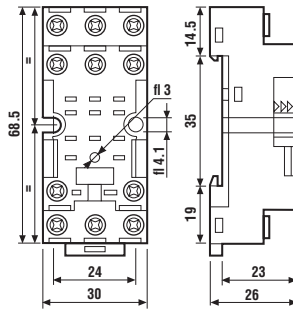


Screw terminal (Plate clamp) socket panel or 35 mm rail mount	94.72	94.72.0	94.73	94.73.0	94.74	94.74.0
Colour	Blue	Black	Blue	Black	Blue	Black
For relay type	55.32		55.33		55.32, 55.34	
Accessories						
Metal retaining clip (supplied with socket - packaging code SMA)				094.71		
Modules (see table below)				99.01		
Screw terminal (Plate clamp) socket: panel or 35 mm rail mount	94.82 (blue)			94.82.0 (black)		
For relay type	55.32			55.32		
Accessories						
Metal retaining clip (supplied with socket - packaging code SMA)				094.71		
Modules (see table below)				99.01		
Technical data						
Rated values	10 A - 250 V					
Dielectric strength	≥ 2 kV AC					
Protection category	IP 20					
Ambient temperature	°C -40...+70					
⊕ Screw torque	Nm	0.5				
Wire strip length	mm	8 (94.72/.0/3/.0/4/.0)			9 (94.82/.0)	
Max. wire size for 94.72/73/74 and 94.82 sockets	solid wire			stranded wire		
	mm²	1x2.5 / 2x1.5			1x2.5 / 2x1.5	
	AWG	1x14 / 2x16			1x14 / 2x16	

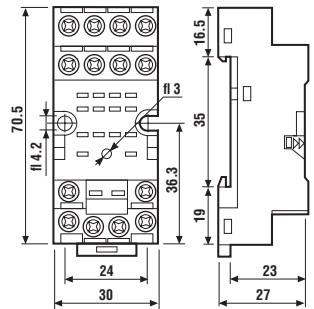
55



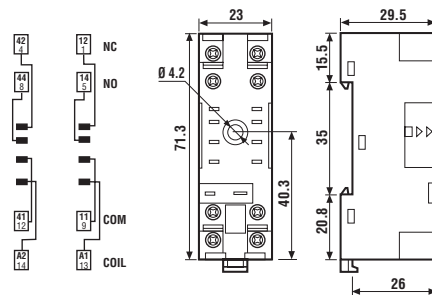
94.72



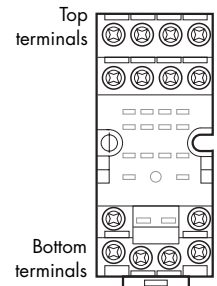
94.73



94.74



94.82



99.01

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 94.72, 94.73, 94.74 and 94.82 sockets

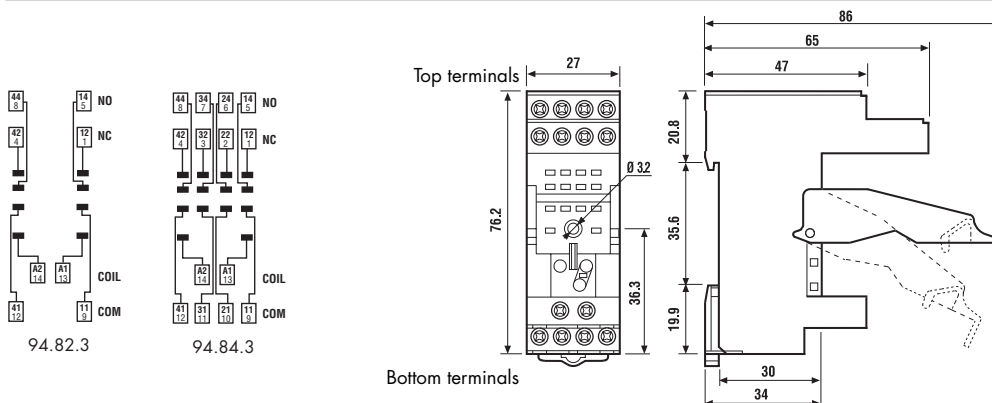
See technical data pages 247/248		Blue*
Diode (+A1, standard polarity)	(6...220)V DC	99.01.3.000.00
Diode (+A2, non standard polarity)	(6...220)V DC	99.01.2.000.00
LED	(6...24)V DC/AC	99.01.0.024.59
LED	(28...60)V DC/AC	99.01.0.060.59
LED	(110...240)V DC/AC	99.01.0.230.59
LED + Diode (+A1, standard polarity)	(6...24)V DC	99.01.9.024.99
LED + Diode (+A1, standard polarity)	(28...60)V DC	99.01.9.060.99
LED + Diode (+A1, standard polarity)	(110...220)V DC	99.01.9.220.99
LED + Diode (+A2, non standard polarity)	(6...24)V DC	99.01.9.024.79
LED + Diode (+A2, non standard polarity)	(28...60)V DC	99.01.9.060.79
LED + Diode (+A2, non standard polarity)	(110...220)V DC	99.01.9.220.79
LED + Varistor	(6...24)V DC/AC	99.01.0.024.98
LED + Varistor	(28...60)V DC/AC	99.01.0.060.98
LED + Varistor	(110...240)V DC/AC	99.01.0.230.98
RC circuit	(6...24)V DC/AC	99.01.0.024.09
RC circuit	(28...60)V DC/AC	99.01.0.060.09
RC circuit	(110...240)V DC/AC	99.01.0.230.09
Residual current by-pass (62 kΩ/1W)	(110...240)V AC	99.01.8.230.07



Approvals
(according to type):



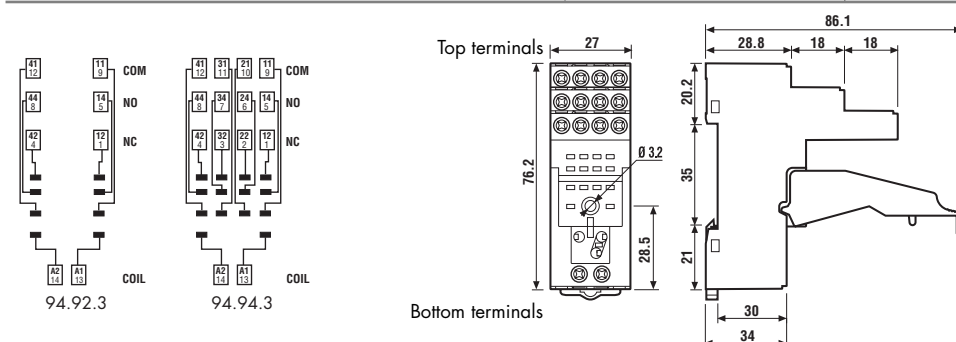
Screw terminal (Box clamp) socket panel or 35 mm rail mount	94.82.3	94.82.30	94.84.3	94.84.30
Colour	Blue	Black	Blue	Black
For relay type	55.32		55.32, 55.34	
Accessories				
Metal retaining clip (supplied with socket - packaging code SMA)			094.71	
Plastic retaining and release clip			094.91.3	
6-way jumper link	094.06	094.06.0	094.06	094.06.0
Identification tag			094.80.2	
Modules (see table next page)			99.80	
Sheet of marker tags for retaining and release clip 094.01 plastic, 72 tags, 6x12 mm			060.72	
Technical data				
Rated values	10 A - 250 V			
Dielectric strength	≥ 2 kV AC			
Protection category	IP 20			
Ambient temperature	°C -40...+70			
⊕ Screw torque	Nm	0.5		
Wire strip length	mm	7		
Max. wire size for 94.82.3 and 94.84.3 sockets	solid wire		stranded wire	
	mm ²	1x6 / 2x2.5	1x4 / 2x2.5	
	AWG	1x10 / 2x14	1x12 / 2x14	



Approvals
(according to type):



Screw terminal (Box clamp) socket panel or 35 mm rail mount	94.92.3 (blue)	94.92.30 (black)	94.94.3 (blue)	94.94.30 (black)
For relay type	55.32		55.32, 55.34	
Accessories				
Metal retaining clip			094.71	
Plastic retaining and release clip			094.91.3	
6-way jumper link	094.06	094.06.0	094.06	094.06.0
Modules (see table next page)			99.80	
Sheet of marker tags for retaining and release clip 094.91.3 plastic, 72 tags, 6x12 mm			060.72	
Technical data				
Rated values	10 A - 250 V			
Dielectric strength	≥ 2 kV AC			
Protection category	IP 20			
Ambient temperature	°C -25...+70			
⊕ Screw torque	Nm	0.5		
Wire strip length	mm	8		
Max. wire size for 94.92.3 and 94.94.3 sockets	solid wire		stranded wire	
	mm ²	1x6 / 2x2.5	1x4 / 2x2.5	
	AWG	1x10 / 2x14	1x12 / 2x14	





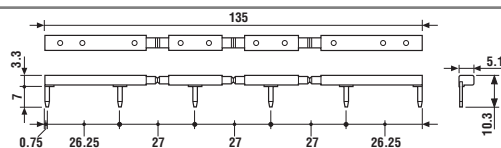
094.06

6-way jumper link for 94.82.3 and 94.84.3 sockets

094.06

Rated values

10 A - 250 V



99.80

99.80 coil indication and EMC suppression modules for 94.82.3, 94.84.3 and 94.92.3, 94.94.3 sockets

See technical data pages 247/248

Blue*

Diode (+A1, standard polarity)	(6...220)V DC	99.80.3.000.00
LED	(6...24)V DC/AC	99.80.0.024.59
LED	(28...60)V DC/AC	99.80.0.060.59
LED	(110...240)V DC/AC	99.80.0.230.59
LED + Diode (+A1, standard polarity)	(6...24)V DC	99.80.9.024.99
LED + Diode (+A1, standard polarity)	(28...60)V DC	99.80.9.060.99
LED + Diode (+A1, standard polarity)	(110...220)V DC	99.80.9.220.99
LED + Varistor	(6...24)V DC/AC	99.80.0.024.98
LED + Varistor	(28...60)V DC/AC	99.80.0.060.98
LED + Varistor	(110...240)V DC/AC	99.80.0.230.98
RC circuit	(6...24)V DC/AC	99.80.0.024.09
RC circuit	(28...60)V DC/AC	99.80.0.060.09
RC circuit	(110...240)V DC/AC	99.80.0.230.09
Residual current by-pass (62 kΩ/1W)	(110...240)V AC	99.80.8.230.07

Approvals
(according to type):



* Modules in Black housing are available on request.

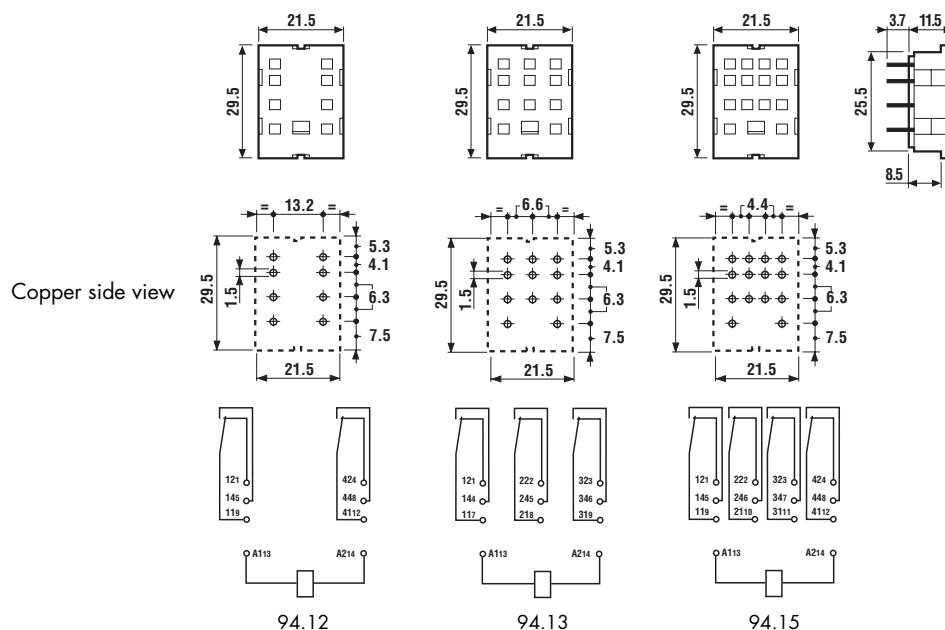
Green LED is standard.
Red LED available on request.



94.14

PCB socket	94.12	94.12.0	94.13	94.13.0	94.14	94.14.0
Colour	Blue	Black	Blue	Black	Blue	Black
For relay type	55.32		55.33		55.32, 55.34	
Accessories						
Metal retaining clip (supplied with socket - packaging code SMA)	094.51					
Technical data						
Rated values	10 A - 250 V					
Dielectric strength	≥ 2 kV AC					
Ambient temperature	°C -40...+70					

Approvals
(according to type):





Approvals
(according to type):



Panel mount solder socket 1 mm thick panel	94.22	94.22.0	94.23	94.23.0	94.24	94.24.0
Colour	Blue	Black	Blue	Black	Blue	Black
For relay type	55.32		55.33		55.32, 55.34	
Accessories						
Metal retaining clip (supplied with socket - packaging code SMA)	094.51					
Technical data						
Rated values	10 A - 250 V					
Dielectric strength	≥ 2 kV AC					
Ambient temperature	°C	−40...+70				



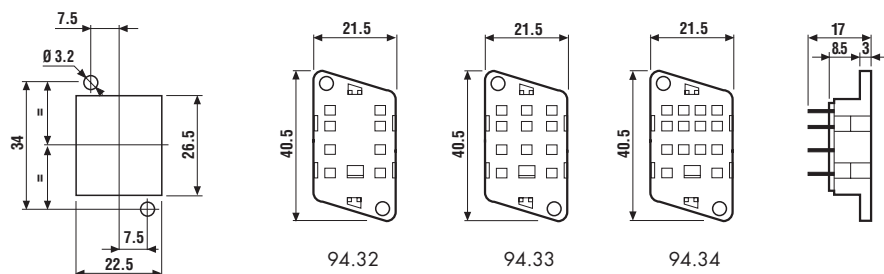
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Approvals
(according to type):



Panel mount socket M3 screw fixing - solder connections	94.32	94.32.0	94.33	94.33.0	94.34	94.34.0
Colour	Blue	Black	Blue	Black	Blue	Black
For relay type	55.32		55.33		55.32, 55.34	
Accessories						
Metal retaining clip (supplied with socket - packaging code SMA)	094.51					
Technical data						
Rated values	10 A - 250 V					
Dielectric strength	≥ 2 kV AC					
Ambient temperature	°C -40...+70					



Packaging codes

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

Code options according to the last three letters:

9 4 . 0 4 S P A

A Standard packaging

SM Metal retaining clip

SP Plastic retaining clip

9 4 . 0 4

Without retaining clip