

## Coil specifications

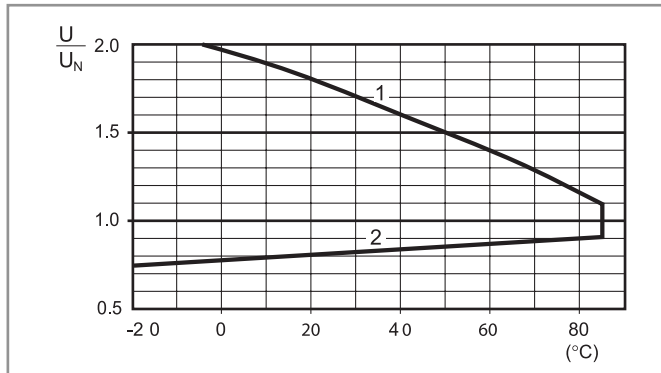
### DC coil data

Nominal voltage $U_N$ V	Coil code	Operating range		Resistance	Rated coil consumption $I$ at $U_N$ mA
		$U_{min}$ V	$U_{max}$ V	$R$ $\Omega$	
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	138	17,300	7.2
220	9.220	176	242	54,000	4

### AC coil data

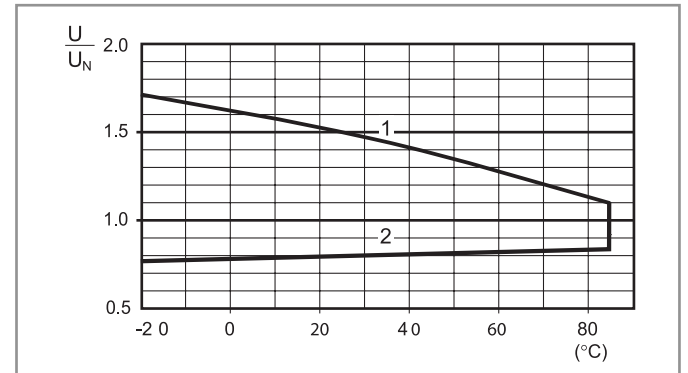
Nominal voltage $U_N$ V	Coil code	Operating range		Resistance	Rated coil consumption $I$ at $U_N$ (50Hz) mA
		$U_{min}$ V	$U_{max}$ V	$R$ $\Omega$	
6	8.006	4.8	6.6	12	200
12	8.012	9.6	13.2	50	97
24	8.024	19.2	26.4	190	53
48	8.048	38.4	52.8	770	25
60	8.060	48	66	1,200	21
110	8.110	88	121	4,000	12.5
120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

### 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



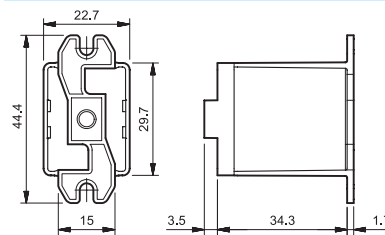
056.25



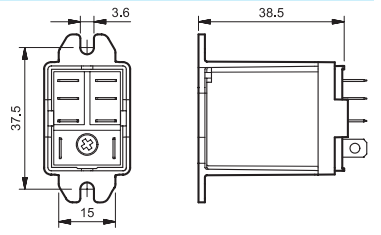
056.25 with relay

### Top flange mount adaptor for 55.32, 55.33, 55.34

056.25



056.25



056.25 with relay



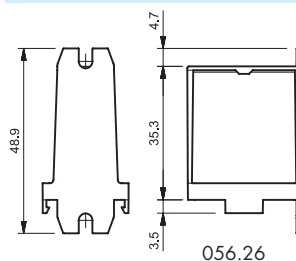
056.26



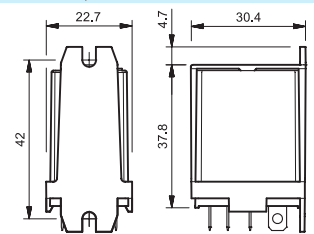
056.26 with relay

### Rear flange mount adaptor for 55.32, 55.33, 55.34

056.26



056.26



056.26 with relay



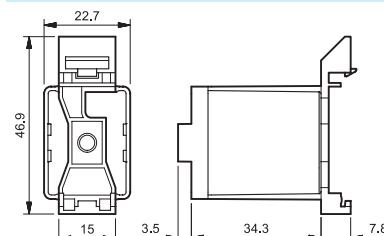
056.27



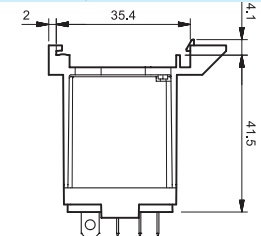
056.27 with relay

### Top 35 mm rail (EN 60715) adaptor for 55.32, 55.33, 55.34

056.27



056.27




056.27 with relay



**94.04**  
See page 7



Module	Socket	Relay	Description	Mounting	Accessories
	94.02	55.32	<b>Screw terminal (Box clamp) socket</b> - Top terminals - Contacts - Bottom terminals - Coil	Panel or 35 mm rail (EN 60715) mount	- Coil indication and EMC suppression modules - Jumper link - Timer modules - Plastic retaining and release clip
	94.03	55.33			
	94.04	55.32 55.34			



**94.54.1**  
See page 8




Module	Socket	Relay	Description	Mounting	Accessories
99.80	94.54.1	55.32 55.34	<b>Screwless terminal socket</b> - For fast cable connections - Top terminals - Contacts - Bottom terminals - Coil	35 mm rail (EN 60715) mount	- Coil indication and EMC suppression modules - Plastic retaining and release clip



**94.74**  
See page 9



Module	Socket	Relay	Description	Mounting	Accessories
	94.72	55.32	<b>Screw terminal (Plate clamp) socket</b>	Panel or 35 mm rail (EN 60715) mount	- Coil indication and EMC suppression modules - Metal retaining clip
	94.73	55.33			
	94.74	55.32 55.34			



**94.82**  
See page 9




Module	Socket	Relay	Description	Mounting	Accessories
99.01	94.82	55.32	<b>Screw terminal (Plate clamp) socket</b> - 23 mm wide for space saving	Panel or 35 mm rail (EN 60715) mount	- Coil indication and EMC suppression modules - Metal retaining clip



**94.84.3**  
See page 10




Module	Socket	Relay	Description	Mounting	Accessories
	94.84.2	55.32 55.34	<b>Screw terminal (Box clamp) socket</b>	Panel or 35 mm rail (EN 60715) mount	- Coil indication and EMC suppression modules - Jumper link - Plastic retaining and release clip
	94.82.3	55.32			
	94.84.3	55.32 55.34			



**94.94.3**  
See page 11



Module	Socket	Relay	Description	Mounting	Accessories
	94.92.3	55.32	<b>Screw terminal (Box clamp) socket</b> - Top terminals - Contacts - Bottom terminals - Coil	Panel or 35 mm rail (EN 60715) mount	- Coil indication and EMC suppression modules - Jumper link - Plastic retaining and release clip
	94.94.3	55.32 55.34			



**94.14**  
See page 12

Module	Socket	Relay	Description	Mounting	Accessories
-	94.12	55.32	<b>PCB sockets</b>	PCB mounting	- Metal retaining clip
-	94.13	55.33			
-	94.14	55.32 55.34			



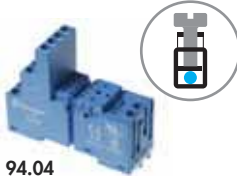
**94.22**  
See page 12

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



**94.34**  
See page 13

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



**94.04**

Approvals  
(according to type):



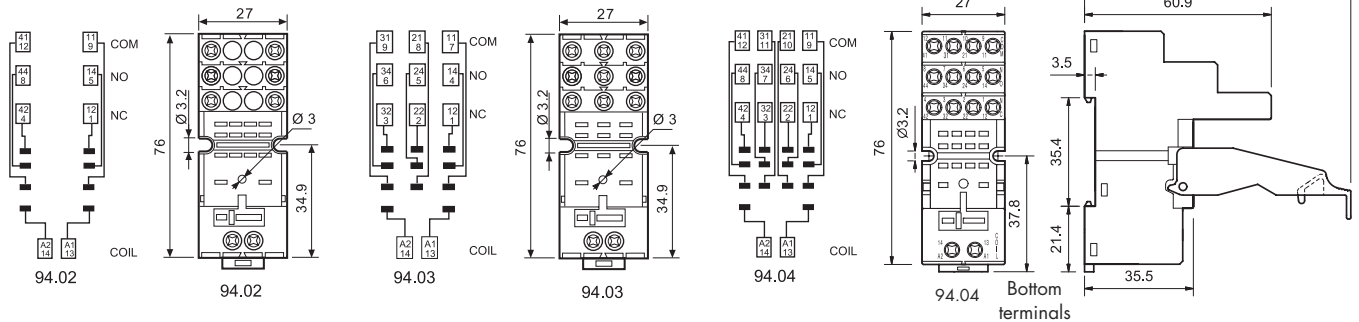
Certain relay/socket combinations



**094.91.3**



**060.72**

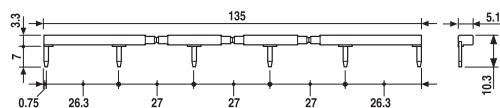


**094.06**



Screw terminal (Box clamp) socket panel or 35 mm (EN 60715) rail mount	94.02 Blue	94.02.0 Black	94.03 Blue	94.03.0 Black	94.04 Blue	94.04.0 Black
For relay type	55.32		55.33		55.32, 55.34	
<b>Accessories</b>						
Metal retaining clip	094.71					
Plastic retaining and release clip (supplied with socket - packaging code SPA)	094.91.3	094.91.30	094.91.3	094.91.30	094.91.3	094.91.30
6-way jumper link	094.06	094.06.0	094.06	094.06.0	094.06	094.06.0
Identification tag	094.00.4					
Modules (see table below)	99.02					
Timer modules (see table below)	86.30					
Sheet of marker tags for retaining and release clip 094.91.3 plastic, 72 tags, 6x12 mm	060.72					
<b>Technical data</b>						
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					
Max. wire size for 94.02/03/04 sockets	solid wire			stranded wire		
	mm <sup>2</sup> 1x6 / 2x2.5			1x4 / 2x2.5		
	AWG 1x10 / 2x14			1x12 / 2x14		

<b>6-way jumper link</b> for 94.02, 94.03 and 94.04 sockets	094.06 (blue)	094.06.0 (black)
Rated values	10 A - 250 V	



**86.30**



<b>86 series timer modules</b>		
(12...24)V AC/DC; Bi-function: AI, DI; (0.05s...100h)		86.30.0.024.0000
(110...125)V AC; Bi-function: AI, DI; (0.05s...100h)		86.30.8.120.0000
(230...240)V AC; Bi-function: AI, DI; (0.05s...100h)		86.30.8.240.0000

Approvals  
(according to type):

**99.02**

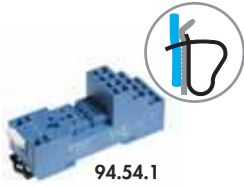


Approvals  
(according to type):



<b>99.02 coil indication and EMC suppression modules</b> for 94.02, 94.03 and 94.04 sockets		
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	(110...240)V AC	99.02.8.230.07

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



94.54.1

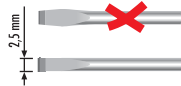
Approvals  
(according to type):



094.92



020.24

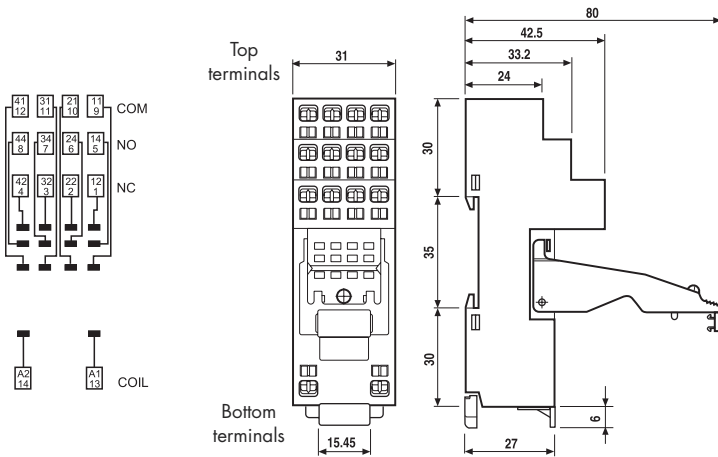


99.80

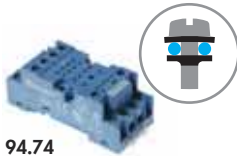
\* Modules in Black housing are available on request.

Green LED is standard.  
Red LED available on request.

<b>Screwless terminal socket 35 mm rail (EN 60715) mount</b>	<b>94.54.1 (blue)</b>	<b>94.54.10 (black)</b>	
For relay type	55.32, 55.34		
<b>Accessories</b>			
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	
<b>Technical data</b>			
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 <sup>2</sup>	2x(0.2...1.5)	2x(0.2...1.5)
	AWG	2x(24...18)	2x(24...18)

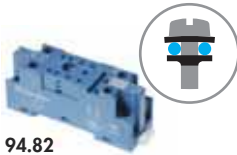


99.80 coil indication and EMC suppression modules for 94.54.1 socket		Blue*
Diode (+A1, standard polarity)	(6...220)V DC	99.80.3.000.00
LED	(6...24)V DC/AC	99.80.0.024.59
LED	(28...60)V DC/AC	99.80.0.060.59
LED	(110...240)V DC/AC	99.80.0.230.59
LED + Diode (+A1, standard polarity)	(6...24)V DC	99.80.9.024.99
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	(110...240)V AC	99.80.8.230.07



94.74

Approvals  
(according to type):

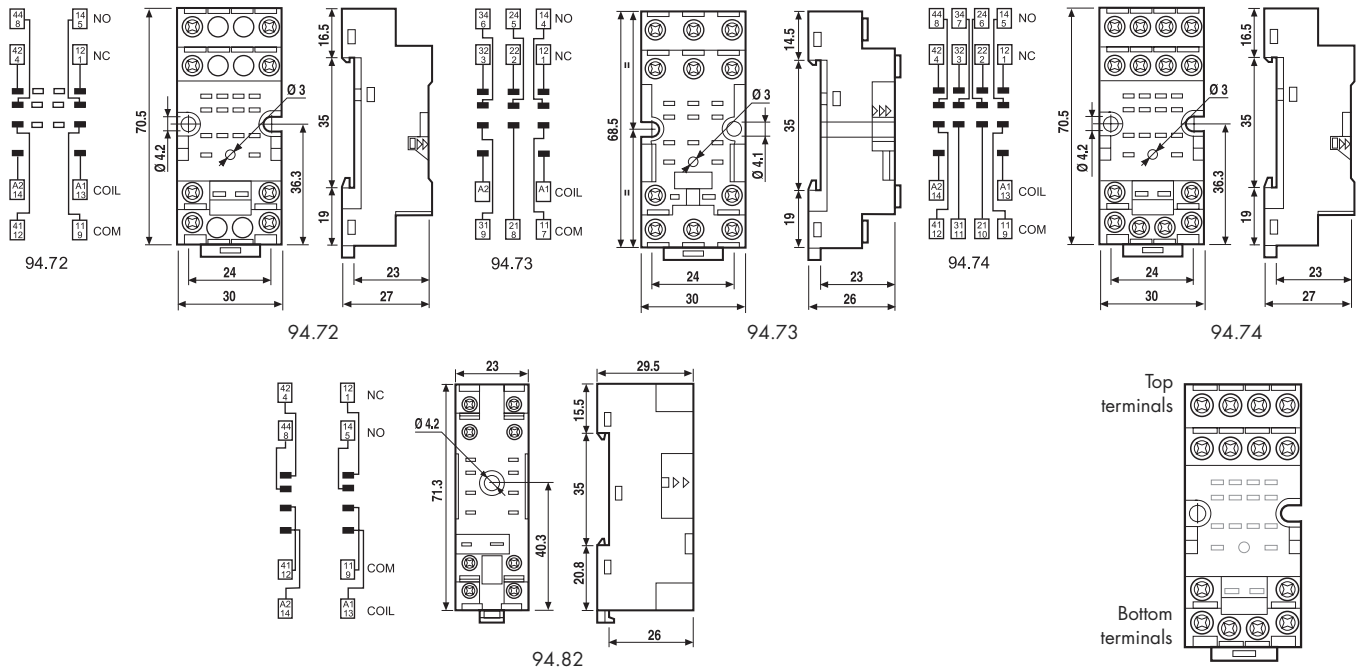


94.82

Approvals  
(according to type):



<b>Screw terminal (Plate clamp) socket panel or 35 mm (EN 60715) rail mount</b>	<b>94.72</b>	<b>94.72.0</b>	<b>94.73</b>	<b>94.73.0</b>	<b>94.74</b>	<b>94.74.0</b>
	<b>Blue</b>	<b>Black</b>	<b>Blue</b>	<b>Black</b>	<b>Blue</b>	<b>Black</b>
For relay type	55.32		55.33		55.32, 55.34	
<b>Accessories</b>						
Metal retaining clip (supplied with socket - packaging code SMA)					094.71	
Modules (see table below)					99.01	
<b>Screw terminal (Plate clamp) socket: panel or 35 mm rail mount</b>	<b>94.82 (blue)</b>				<b>94.82.0 (black)</b>	
For relay type	55.32				55.32	
<b>Accessories</b>						
Metal retaining clip (supplied with socket - packaging code SMA)					094.71	
Modules (see table below)					99.01	
<b>Technical data</b>						
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 (94.72/73/74)			9 (94.82)		
Max. wire size for 94.72/73/74 and 94.82 sockets	solid wire			stranded wire		
	mm <sup>2</sup> 1x2.5 / 2x1.5			1x2.5 / 2x1.5		
	AWG 1x14 / 2x16			1x14 / 2x16		

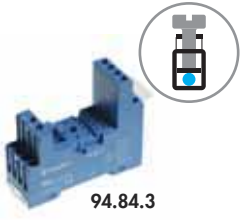


99.01

<b>99.01 coil indication and EMC suppression modules for 94.72, 94.73, 94.74 and 94.82 sockets</b>		<b>Blue*</b>
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	(110...240)V AC	99.01.8.230.07

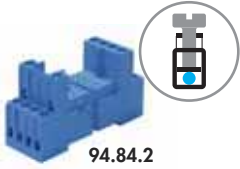
\* Modules in Black housing are available on request.

Green LED is standard. Red LED available on request.



94.84.3

Approvals (according to type):



94.84.2

Approvals (according to type):

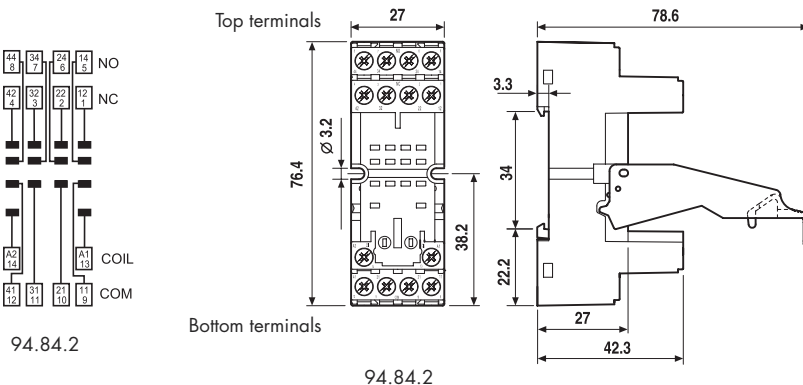
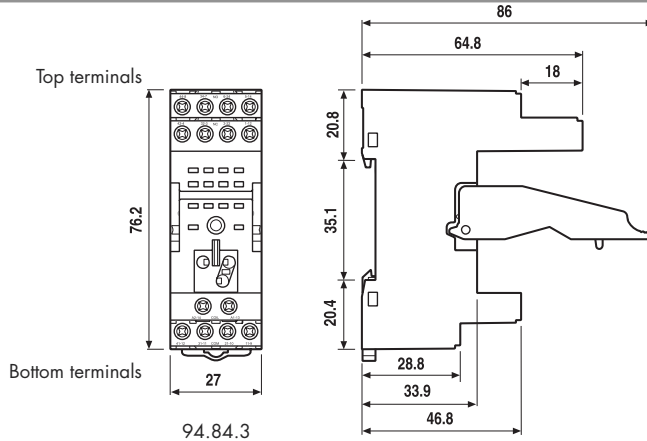
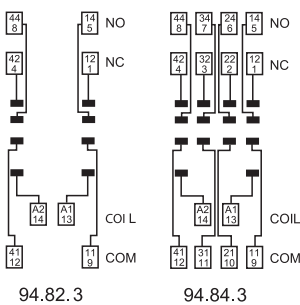


94.91.3



060.72

<b>Screw terminal (Box clamp) socket panel or 35 mm (EN 60715) rail mount</b>	<b>94.82.3</b>	<b>94.82.30</b>	<b>94.84.3</b>	<b>94.84.30</b>
	<b>Blue</b>	<b>Black</b>	<b>Blue</b>	<b>Black</b>
For relay type	55.32		55.32, 55.34	
<b>Accessories</b>				
Metal retaining clip (supplied with socket - packaging code SMA)	094.71			
Plastic retaining and release clip	094.91.3	094.91.30	094.91.3	094.91.30
6-way jumper link	094.06	094.06.0	094.06	094.06.0
Identification tag	094.80.3			
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			
<b>Screw terminal (Box clamp) socket panel or 35 mm (EN 60715) rail mount</b>	<b>94.84.2</b>	<b>94.84.20</b>		
	<b>Blue</b>	<b>Black</b>		
For relay type	55.32, 55.34			
<b>Accessories</b>				
Metal retaining clip (supplied with socket - packaging code SMA)	094.71			
Plastic retaining and release clip	094.91.3	094.91.30		
6-way jumper link	094.06	094.06.0		
Identification tag	094.80.3			
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			
<b>Technical data</b>				
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, 94.84.3 and 94.84.2 sockets		solid wire	stranded wire	
	mm <sup>2</sup>	1x6 / 2x2.5	1x4 / 2x2.5	
	AWG	1x10 / 2x14	1x12 / 2x14	





94.94.3

Approvals  
(according to type):

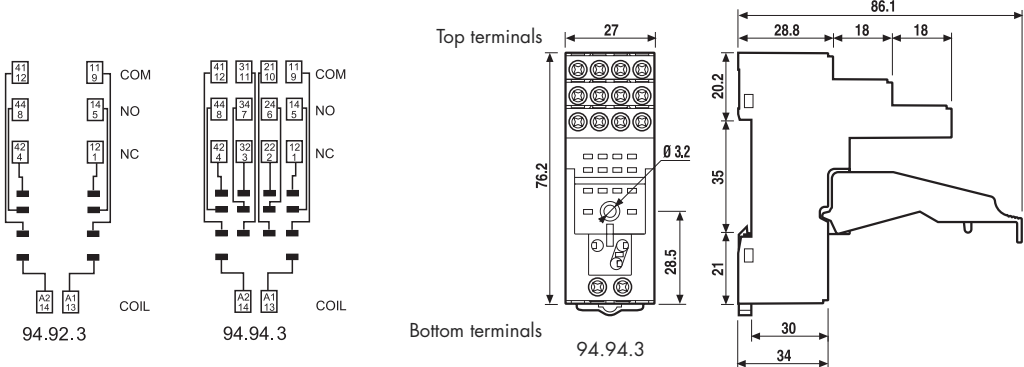


094.91.3



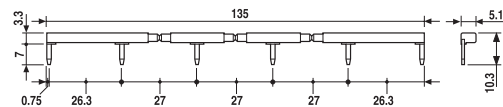
060.72

<b>Screw terminal (Box clamp) socket</b> panel or 35 mm rail mount	<b>94.92.3 (blue)</b>	<b>94.92.30 (black)</b>	<b>94.94.3 (blue)</b>	<b>94.94.30 (black)</b>
For relay type	55.32		55.32, 55.34	
<b>Accessories</b>				
Metal retaining clip	094.71			
Plastic retaining and release clip	094.91.3	094.91.30	094.91.3	094.91.30
6-way jumper link	094.06	094.06.0	094.06	094.06.0
Identification tag	094.80.3			
Modules (see table below page)	99.80			
Sheet of marker tags for retaining and release clip 094.91.3 plastic, 72 tags, 6x12 mm	060.72			
<b>Technical data</b>				
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 <sup>2</sup>	1x6 / 2x2.5		1x4 / 2x2.5
	AWG	1x10 / 2x14		1x12 / 2x14



094.06

<b>6-way jumper link</b> for 94.84.2, 94.82.3, 94.84.3, 94.92.3 and 94.94.3 sockets	<b>094.06 (blue)</b>	<b>094.06.0 (black)</b>
Rated values	10 A - 250 V	



99.80

<b>99.80 coil indication and EMC suppression modules</b> for 94.84.2, 94.82.3, 94.84.3, 94.92.3 and 94.94.3 sockets		<b>Blue*</b>
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	(110...240)V AC	99.80.8.230.07

\* Modules in Black housing are available on request.

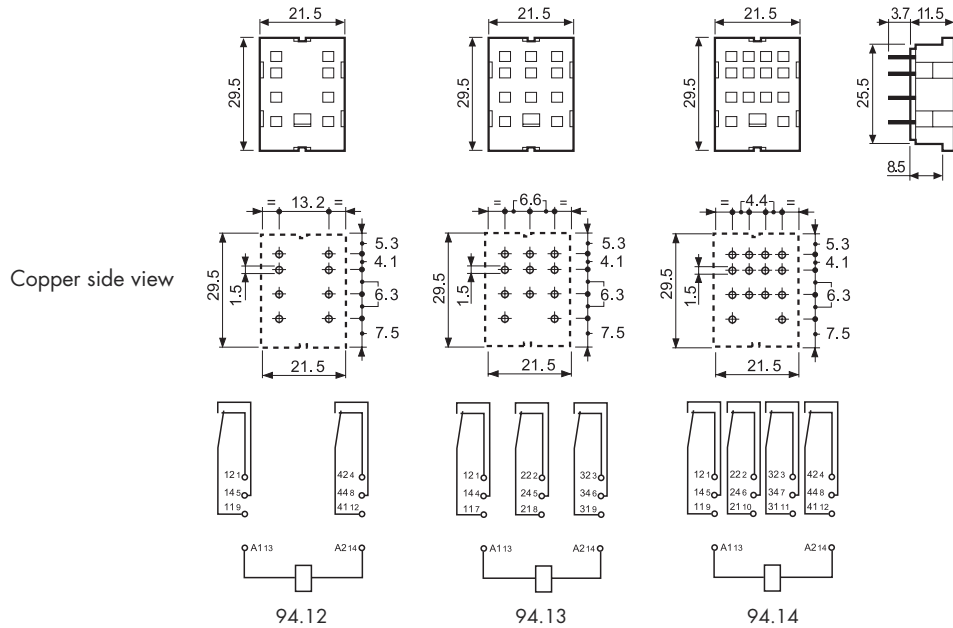
Green LED is standard. Red LED available on request.



**94.14**  
Approvals  
(according to type):



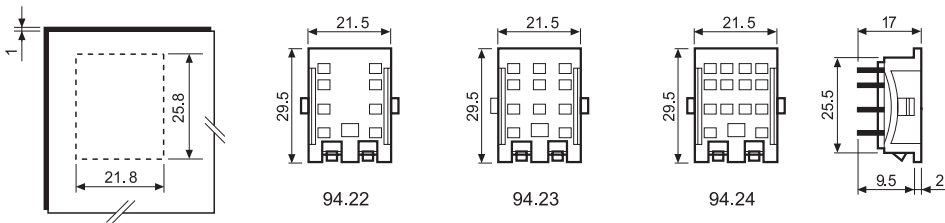
PCB socket	94.12 Blue	94.12.0 Black	94.13 Blue	94.13.0 Black	94.14 Blue	94.14.0 Black
For relay type	55.32		55.33		55.32, 55.34	
<b>Accessories</b>						
Metal retaining clip (supplied with socket - packaging code SMA)	094.51					
<b>Technical data</b>						
Rated values	10 A - 250 V					
Dielectric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



**94.22**  
Approvals  
(according to type):



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





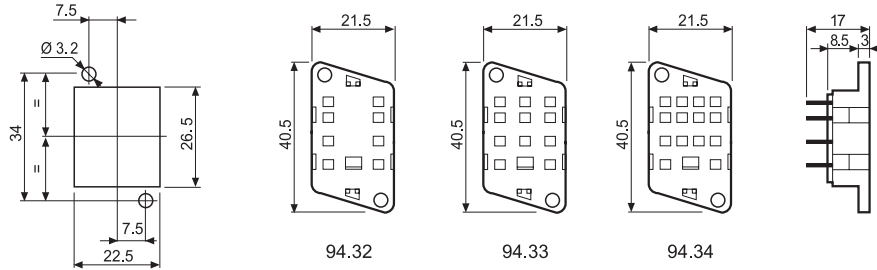


94.34

Approvals  
(according to type):



Panel mount socket M3 screw fixing - solder connections	94.32 Blue	94.32.0 Black	94.33 Blue	94.33.0 Black	94.34 Blue	94.34.0 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.

Example:



A Standard packaging

SM Metal retaining clip  
SP Plastic retaining clip



Without retaining clip