

93.01

Approvals  
(according to type):



Certain relay/socket combinations

**Screw terminal socket 35 mm (EN 50022) mounting**

Supply voltage	Relay type	Socket type
12 V AC/DC	34.51.7.012.xx10	93.01.0.024
24 V AC/DC	34.51.7.024.xx10	93.01.0.024
48 V AC/DC	34.51.7.048.xx10	93.01.0.060
60 V AC/DC	34.51.7.060.xx10	93.01.0.060
(110...125)V AC/DC	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.01.0.125
(220...240)V AC/DC	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.01.0.240
(110...125)V AC/DC*	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.01.3.125*
(220...240)V AC*	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.01.3.240*
(220...240)V AC	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.01.8.240
6 V DC	34.51.7.005.xx10 or 34.81.7.005.xxxx	93.01.7.024
12 V DC	34.51.7.012.xx10	93.01.7.024
24 V DC	34.51.7.024.xx10 or 34.81.7.024.xxxx	93.01.7.024
48 V DC	34.51.7.048.xx10	93.01.7.060
60 V DC	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.01.7.060

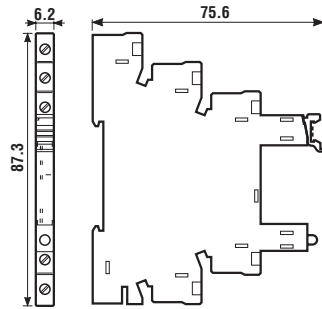
**Accessories**

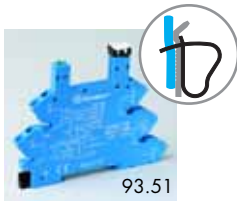
20-way jumper link	093.20 (see specification next page)
Plastic separator	093.01 (see specification next page)
Sheet of marker tags	093.64 (see specification next page)

**Technical data**

Rated values	6A - 250 V		
Insulation	6 kV (1.2/50 μs) between coil and contacts		
Protection category	IP 20		
Ambient temperature	(-40...+70)°C (U <sub>N</sub> ≤ 60 V), (-40...+55)°C (U <sub>N</sub> ≥ 60 V)		
Screw torque	Nm	0.5	
Wire strip length	mm	10	
Max. wire size for 93.01 socket	solid wire	stranded wire	
	mm <sup>2</sup>	1x2.5 / 2x1.5	1x2.5 / 2x1.5
	AWG	1x14 / 2x16	1x14 / 2x16

\* Leakage current suppression.





Approvals  
(according to type):



Certain relay/socket combinations

### Screwless terminal socket 35 mm (EN 50022) mounting

Supply voltage	Relay type	Socket type
12 V AC/DC	34.51.7.012.xx10	93.51.0.024
24 V AC/DC	34.51.7.024.xx10	93.51.0.024
(110...125)V AC/DC	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.51.0.125
(220...240)V AC/DC	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.51.0.240
(110...125)V AC/DC*	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.51.3.125*
(220...240)V AC*	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.51.3.240*
(220...240)V AC	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.51.8.240
12 V DC	34.51.7.012.xx10	93.51.7.024
24 V DC	34.51.7.024.xx10 or 34.81.7.024.xxxx	93.51.7.024
60 V DC	34.51.7.060.xx10 or 34.81.7.060.xxxx	93.51.7.060

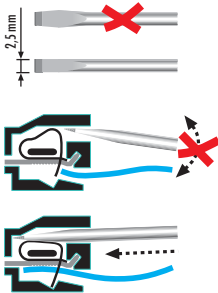
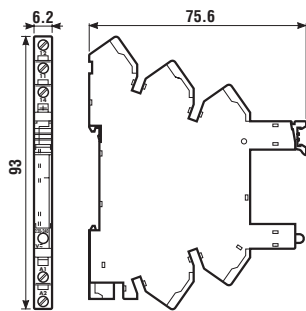
### Accessories

20-way jumper link	093.20 (see table below)
Plastic separator	093.01 (see table below)
Sheet of marker tags	093.64 (see table below)

### Technical data

Rated values	6A - 250 V	
Insulation	6 kV (1.2/50 μs) between coil and contacts	
Protection category	IP 20	
Ambient temperature	(-40...+70)°C (U <sub>N</sub> ≤ 60 V), (-40...+55)°C (U <sub>N</sub> ≥ 60 V)	
Wire strip length	mm	10
Max. wire size for 93.51 socket	solid wire	stranded wire
	mm <sup>2</sup>	1x2.5
	AWG	1x14

\* Leakage current suppression.



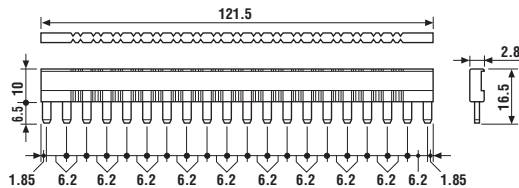
## Accessories



Approvals  
(according to type):



<b>20-way jumper link</b> for 93.01 and 93.51 sockets	093.20 (blue)	093.20.0 (black)
Rated values	36 A - 250 V	

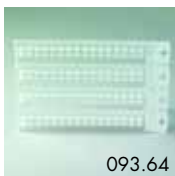


<b>Plastic separator</b> for 93.01 and 93.51 sockets	093.01
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Thickness 2 mm, required at the start and the end of a group of interfaces.

Can be used for visual separation of groups. Must be used for:

- protective separation of different voltages of neighbouring PLC interfaces according to VDE 0106-101
- protection of cut jumper links



<b>Sheet of marker tags</b> , plastic, 64 tags, 6x10 mm for 93.01 and 93.51 sockets	093.64
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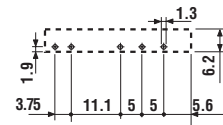
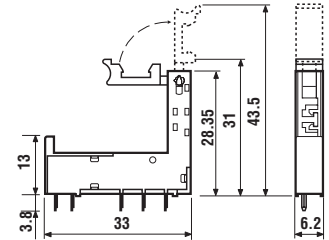
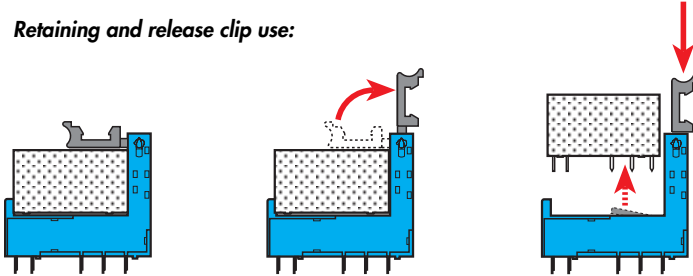
93.11

Approvals  
(according to type):

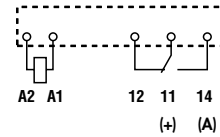


<b>PCB socket with retaining and release clip</b>	<b>93.11 (blue)</b>
For relay type	34.51, 34.81
<b>Technical data</b>	
Rated values	6 A - 250 V
Insulation	$\geq 6$ kV (1.2/50 $\mu$ s) between coil and contacts
Protection category	IP 20
Ambient temperature	$^{\circ}\text{C}$ -40...+70

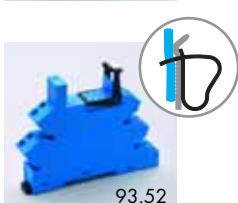
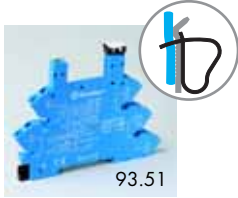
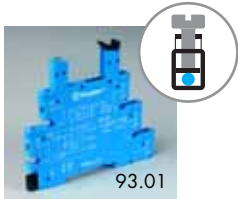
**Retaining and release clip use:**



Copper side view



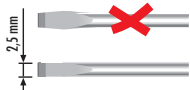
## Combination for Electromechanical Relay



Approvals  
(according to type):



Certain relay/socket combinations



<b>Screw terminal - 1 Pole relay</b>			
Code	Supply voltage	Type of relay	Type of socket
38.51.0.012.0060	12 V AC/DC	34.51.7.012.0010	93.01.0.024
38.51.0.024.0060	24 V AC/DC	34.51.7.024.0010	93.01.0.024
38.51.0.048.0060	48 V AC/DC	34.51.7.048.0010	93.01.0.060
38.51.0.060.0060	60 V AC/DC	34.51.7.060.0010	93.01.0.060
38.51.0.125.0060	(110...125)V AC/DC	34.51.7.060.0010	93.01.0.125
38.51.0.240.0060	(220...240)V AC/DC	34.51.7.060.0010	93.01.0.240
38.51.3.125.0060	(110...125)V AC/DC	34.51.7.060.0010	93.01.3.125
38.51.3.240.0060	(230...240)V AC	34.51.7.060.0010	93.01.3.240
38.51.7.006.0050	6 V DC	34.51.7.005.0010	93.01.7.024
38.51.7.012.0050	12 V DC	34.51.7.012.0010	93.01.7.024
38.51.7.024.0050	24 V DC	34.51.7.024.0010	93.01.7.024
38.51.7.048.0050	48 V DC	34.51.7.048.0010	93.01.7.060
38.51.7.060.0050	60 V DC	34.51.7.060.0010	93.01.7.060
38.51.8.240.0060	(230...240)V AC	34.51.7.060.0010	93.01.8.240

<b>Screwless terminal - 1 Pole relay</b>			
Code	Supply voltage	Type of relay	Type of socket
38.61.0.012.0060	12 V AC/DC	34.51.7.012.0010	93.51.0.024
38.61.0.024.0060	24 V AC/DC	34.51.7.024.0010	93.51.0.024
38.61.0.125.0060	(110...125)V AC/DC	34.51.7.060.0010	93.51.0.125
38.61.0.240.0060	(220...240)V AC/DC	34.51.7.060.0010	93.51.0.240
38.61.3.125.0060	(110...125)V AC/DC	34.51.7.060.0010	93.51.3.125
38.61.3.240.0060	(230...240)V AC	34.51.7.060.0010	93.51.3.240
38.61.7.012.0050	12 V DC	34.51.7.012.0010	93.51.7.024
38.61.7.024.0050	24 V DC	34.51.7.024.0010	93.51.7.024
38.61.8.240.0060	(230...240)V AC	34.51.7.060.0010	93.51.8.240

<b>Screw terminal - 2 Pole relay</b>			
Code	Supply voltage	Type of relay	Type of socket
38.52.0.024.0060	24 V AC/DC	41.52.9.024.0010	93.02.0.024
38.52.0.060.0060	60 V AC/DC	41.52.9.060.0010	93.02.0.060
38.52.0.125.0060	(110...125)V AC/DC	41.52.9.110.0010	93.02.0.125
38.52.0.240.0060	(220...240)V AC/DC	41.52.9.110.0010	93.02.0.240
38.52.7.012.0050	12 V DC	41.52.9.012.0010	93.02.7.024
38.52.7.024.0050	24 V DC	41.52.9.024.0010	93.02.7.024
38.52.7.060.0050	60 V DC	41.52.9.060.0010	93.02.7.060

<b>Screwless terminal - 2 Pole relay</b>			
Code	Supply voltage	Type of relay	Type of socket
38.62.0.024.0060	24 V AC/DC	41.52.9.024.0010	93.52.0.024
38.62.0.060.0060	60 V AC/DC	41.52.9.060.0010	93.52.0.060
38.62.0.125.0060	(110...125)V AC/DC	41.52.9.110.0010	93.52.0.125
38.62.0.240.0060	(220...240)V AC/DC	41.52.9.110.0010	93.52.0.240
38.62.7.012.0050	12 V DC	41.52.9.012.0010	93.52.7.024
38.62.7.024.0050	24 V DC	41.52.9.024.0010	93.52.7.024
38.62.7.060.0050	60 V DC	41.52.9.060.0010	93.52.7.060

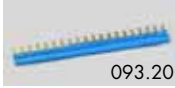
## Combination for Solid State Relay

<b>Screw terminal</b>			
Code	Supply voltage	Type of relay	Type of socket
38.81.7.006.xxxx	6 V DC	34.81.7.005.xxxx	93.01.7.024
38.81.7.024.xxxx	24 V DC	34.81.7.024.xxxx	93.01.7.024
38.81.7.060.xxxx	60 V DC	34.81.7.060.xxxx	93.01.7.060
38.81.0.125.xxxx	(110...125)V AC/DC	34.81.7.060.xxxx	93.01.0.125
38.81.0.240.xxxx	(220...240)V AC/DC	34.81.7.060.xxxx	93.01.0.240
38.81.3.125.xxxx	(110...125)V AC/DC	34.81.7.060.xxxx	93.01.3.125
38.81.3.240.xxxx	(230...240)V AC	34.81.7.060.xxxx	93.01.3.240

<b>Screwless terminal</b>			
Code	Supply voltage	Type of relay	Type of socket
38.91.7.006.xxxx	6 V DC	34.81.7.005.xxxx	93.51.7.024
38.91.7.024.xxxx	24 V DC	34.81.7.024.xxxx	93.51.7.024
38.91.7.060.xxxx	60 V DC	34.81.7.060.xxxx	93.51.7.060
38.91.0.125.xxxx	(110...125)V AC/DC	34.81.7.060.xxxx	93.51.0.125
38.91.0.240.xxxx	(220...240)V AC/DC	34.81.7.060.xxxx	93.51.0.240
38.91.3.125.xxxx	(110...125)V AC/DC	34.81.7.060.xxxx	93.51.3.125
38.91.3.240.xxxx	(230...240)V AC	34.81.7.060.xxxx	93.51.3.240

Example: .xxxx  
.9024  
.7048  
.8240

## Accessories

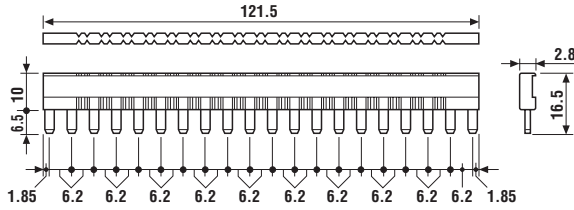


093.20

Approvals  
(according to type):



<b>20-way jumper link for 38.x1</b>	093.20 (blue)
Rated values	36 A - 250 V

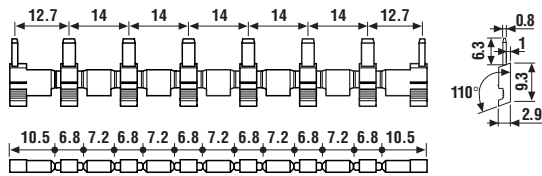


093.08

Approvals  
(according to type):



<b>8-way jumper link for 38.x2</b>	093.08 (blue)
Rated values	10 A - 250 V



093.01

<b>Plastic separator</b>	093.01
Thickness 2 mm, required at the start and the end of a group of interfaces. Can be used for visual separation group, must be used for: - protective separation of different voltages of neighbouring PLC interfaces according to VDE 0106-101 - protection of cut jumper links	



093.64

<b>Sheet of marker tags for 38.x1, plastic, 64 tags, 6x10 mm</b>	093.64
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060.72

<b>Sheet of marker tags for 38.x2, plastic, 72 tags, 6x12 mm</b>	060.72
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Approvals  
(according to type):



### Screw terminal socket 35 mm (EN 50022) mounting

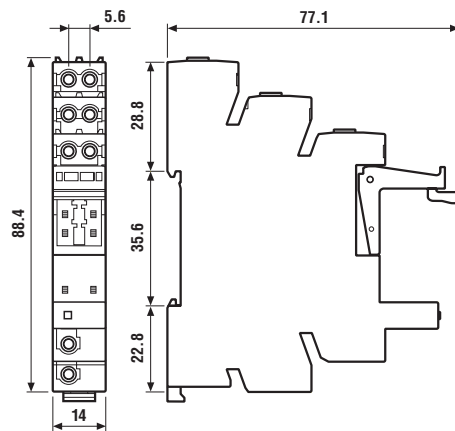
Supply voltage	Relay type	Socket type
6 V AC/DC	41.52.9.005.0010	93.02.0.024
12 V AC/DC	41.52.9.012.0010	93.02.0.024
24 V AC/DC	41.52.9.024.0010	93.02.0.024
60 V AC/DC	41.52.9.060.0010	93.02.0.060
(110...125)V AC/DC	41.52.9.110.0010	93.02.0.125
(220...240)V AC/DC	41.52.9.110.0010	93.02.0.240
6 V DC	41.52.9.005.0010	93.02.7.024
12 V DC	41.52.9.012.0010	93.02.7.024
24 V DC	41.52.9.024.0010	93.02.7.024
48 V DC	41.52.9.048.0010	93.02.7.060
60 V DC	41.52.9.060.0010	93.02.7.060

### Accessories

8-way jumper link	093.08 (see specification next page)
Plastic separator	093.01 (see specification next page)
Sheet of marker tags, 72 tags	090.72 (see specification next page)

### Technical data

Rated values	10 A - 250 V		
Insulation	6 kV (1.2/50 μs) between coil and contacts		
Protection category	IP 20		
Ambient temperature	°C (-40...+70)°C - (U <sub>N</sub> ≤ 60 V DC), (-40...+55)°C - (U <sub>N</sub> > 60 V DC)		
⊕ Screw torque	Nm	0.5	
Wire strip length	mm	8	
Max. wire size for 93.02 socket	solid wire	stranded wire	
	mm <sup>2</sup>	1x6 / 2x2.5	1x4 / 2x2.5
	AWG	1x10 / 2x14	1x12 / 2x14





Approvals  
(according to type):



### Screwless terminal socket 35 mm (EN 50022) mounting

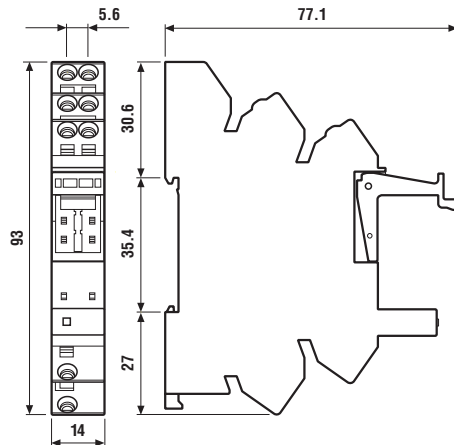
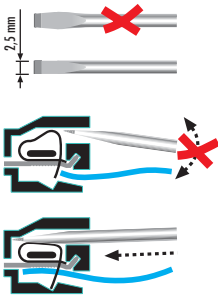
Supply voltage	Relay type	Socket type
6 V AC/DC	41.52.9.005.0010	93.52.0.024
12 V AC/DC	41.52.9.012.0010	93.52.0.024
24 V AC/DC	41.52.9.024.0010	93.52.0.024
60 V AC/DC	41.52.9.060.0010	93.52.0.060
(110...125)V AC/DC	41.52.9.110.0010	93.52.0.125
(220...240)V AC/DC	41.52.9.110.0010	93.52.0.240
6 V DC	41.52.9.005.0010	93.52.7.024
12 V DC	41.52.9.012.0010	93.52.7.024
24 V DC	41.52.9.024.0010	93.52.7.024
48 V DC	41.52.9.048.0010	93.52.7.060
60 V DC	41.52.9.060.0010	93.52.7.060

### Accessories

8-way jumper link	093.08 (see table below)
Plastic separator	093.01 (see table below)
Sheet of marker tags, 72 tags	090.72 (see table below)

### Technical data

Rated values	10 A - 250 V		
Insulation	6 kV (1.2/50 μs) between coil and contacts		
Protection category	IP 20		
Ambient temperature	°C	(-40...+70)°C - (U <sub>N</sub> ≤ 60 V DC), (-40...+55)°C - (U <sub>N</sub> > 60 V DC)	
Wire strip length	mm	8	
Max. wire size for 93.52 socket	solid wire	stranded wire	
	mm <sup>2</sup>	1x2.5	1x2.5
	AWG	1x14	1x14



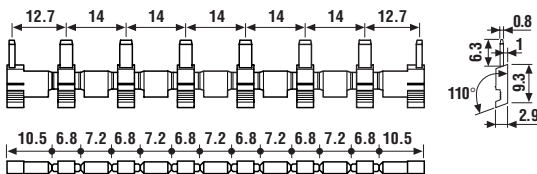
## Accessories



Approvals  
(according to type):



<b>8-way jumper link</b> for 93.02 and 93.52 sockets	093.08 (blue)	093.08.0 (black)
Rated values	10 A - 250 V	



<b>Plastic separator</b> for 93.02 and 93.52 sockets	093.01
Thickness 2 mm, required at the start and the end of a group of interfaces. Can be used for visual separation group, must be used for:	
- protective separation of different voltages of neighbouring PLC interfaces according to VDE 0106-101	
- protection of cut jumper links	



<b>Sheet of marker tags</b> for 38.x2, plastic, 72 tags, 6x12 mm	060.72
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