

93.01

Approvals
(according to type):



cUL[®] US

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

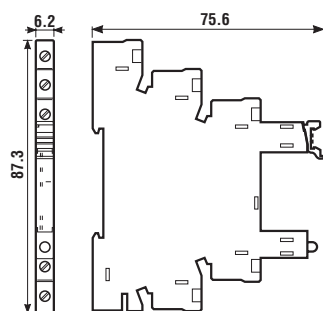
Accessories

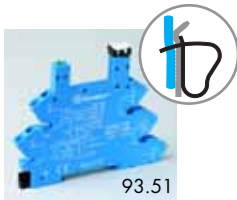
20-way jumper link	093.20 (see specification next page)
Plastic separator	093.01 (see specification next page)
Sheet of marker tags	093.64 (see specification next page)

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 ($U_N \leq 60$ V), (-40...+55)°C ($U_N \geq 60$ V)	
Screw torque	Nm	0.5
Wire strip length	mm	10
Max. wire size for 93.01 socket	solid wire	stranded wire
	mm ²	1x2.5 / 2x1.5
	AWG	1x14 / 2x16

* Leakage current suppression.

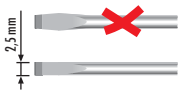




Approvals
(according to type):



cULUS 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

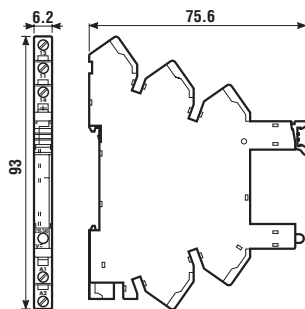
Accessories

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)

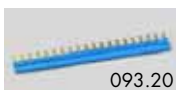
Technical data

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

* Leakage current suppression.



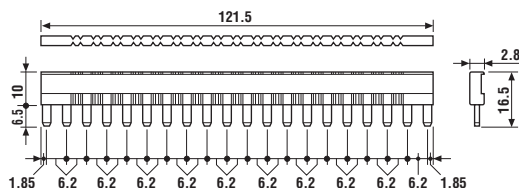
Accessories



Approvals
(according to type):



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



Plastic separator 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



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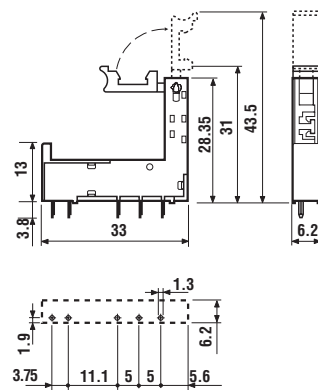
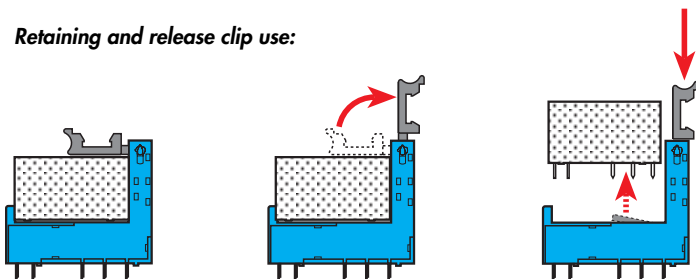
93.11

Approvals
(according to type):

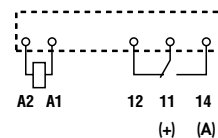


PCB socket with retaining and release clip	93.11 (blue)
For relay type	34.51, 34.81
Technical data	
Rated values	6 A - 250 V
Insulation	≥ 6 kV (1.2/50 μ s) between coil and contacts
Protection category	IP 20
Ambient temperature	$^{\circ}\text{C}$ -40...+70

Retaining and release clip use:



Copper side view



Combination for Electromechanical Relay



93.01



93.51



93.02



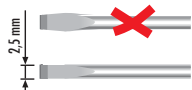
93.52



Approvals
(according to type):



UL US Certain relay/socket combinations



Screw terminal - 1 Pole relay

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

Screwless terminal - 1 Pole relay

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

Screw terminal - 2 Pole relay

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

Screwless terminal - 2 Pole relay

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

Screw terminal

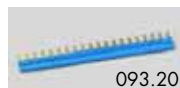
Code	Supply voltage	Type of relay	Type of socket
38.81.7.006.xxxx	6 V DC	34.81.7.005.xxxx	93.01.7.024
38.81.7.024.xxxx	24 V DC	34.81.7.024.xxxx	93.01.7.024
38.81.7.060.xxxx	60 V DC	34.81.7.060.xxxx	93.01.7.060
38.81.0.125.xxxx	(110...125)V AC/DC	34.81.7.060.xxxx	93.01.0.125
38.81.0.240.xxxx	(220...240)V 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

Screwless terminal

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):

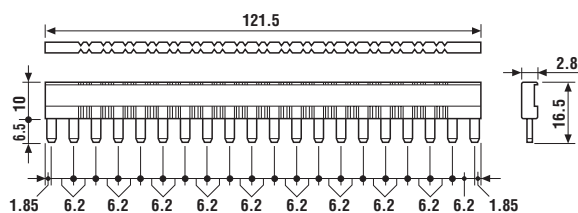


20-way jumper link for 38.x1

093.20 (blue)

Rated values

36 A - 250 V



093.08

Approvals
(according to type):

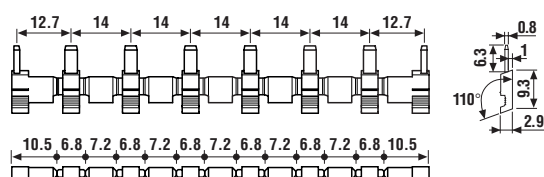


8-way jumper link for 38.x2

093.08 (blue)

Rated values

10 A - 250 V



093.01

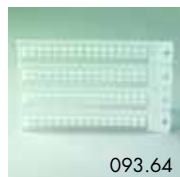
Plastic separator

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

Sheet of marker tags for 38.x1, plastic, 64 tags, 6x10 mm

093.64



060.72

Sheet of marker tags for 38.x2, plastic, 72 tags, 6x12 mm

060.72



Approvals
(according to type):



Screw terminal socket 35 mm (EN 50022) mounting

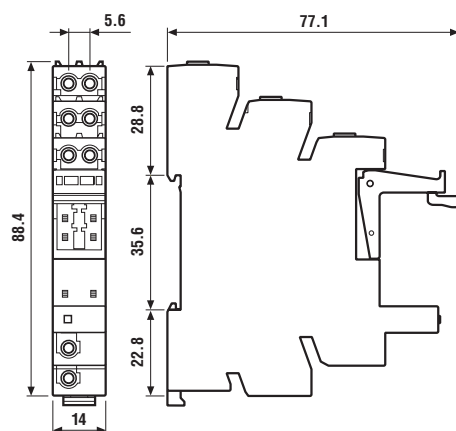
Supply voltage	Relay type	Socket type
6 V AC/DC	41.52.9.005.0010	93.02.0.024
12 V AC/DC	41.52.9.012.0010	93.02.0.024
24 V AC/DC	41.52.9.024.0010	93.02.0.024
60 V AC/DC	41.52.9.060.0010	93.02.0.060
(110...125)V AC/DC	41.52.9.110.0010	93.02.0.125
(220...240)V AC/DC	41.52.9.110.0010	93.02.0.240
6 V DC	41.52.9.005.0010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

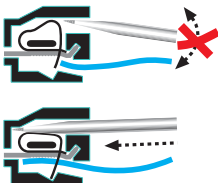
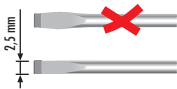
Technical data

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





Approvals
(according to type):



Screwless terminal socket 35 mm (EN 50022) mounting

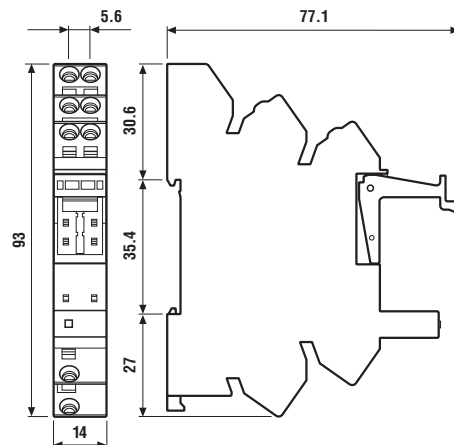
Supply voltage	Relay type	Socket type
6 V AC/DC	41.52.9.005.0010	93.52.0.024
12 V AC/DC	41.52.9.012.0010	93.52.0.024
24 V AC/DC	41.52.9.024.0010	93.52.0.024
60 V AC/DC	41.52.9.060.0010	93.52.0.060
(110...125)V AC/DC	41.52.9.110.0010	93.52.0.125
(220...240)V AC/DC	41.52.9.110.0010	93.52.0.240
6 V DC	41.52.9.005.0010	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 - ($U_N \leq 60$ V DC), (-40...+55)°C - ($U_N > 60$ V DC)
Wire strip length	mm	8
Max. wire size for 93.52 socket	solid wire	stranded wire
	mm ²	1x2.5
	AWG	1x14



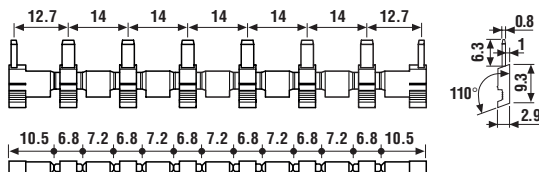
Accessories



Approvals
(according to type):



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



Plastic separator for 93.02 and 93.52 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 group, must be used for:

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



Sheet of marker tags for 38.x2, plastic, 72 tags, 6x12 mm	060.72
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