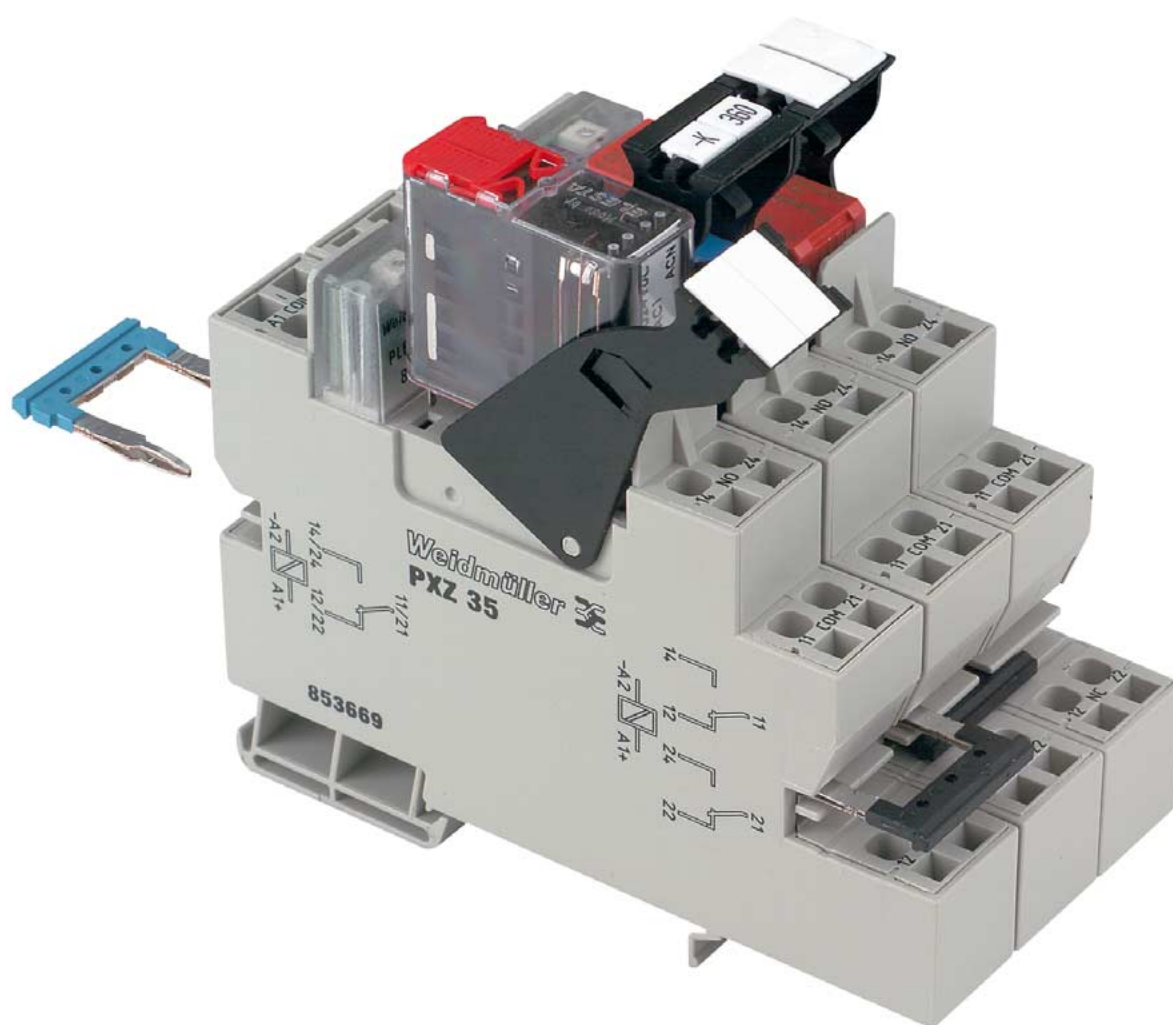
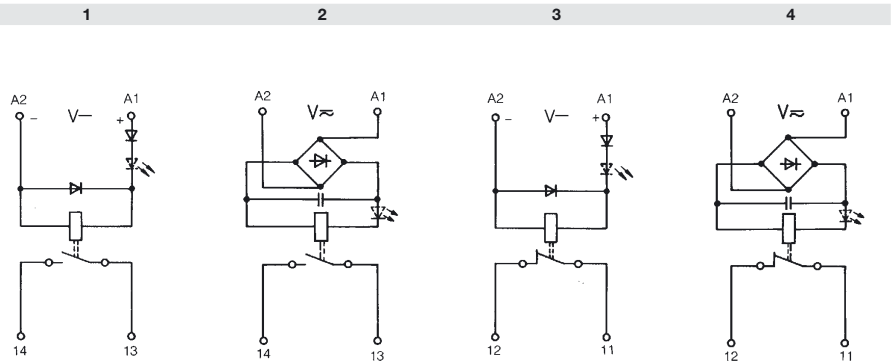




Relay Couplers on Sockets RS 30

1 NC, 1 NO
or 1 changeover contact

Schematic circuit diagram



Rated data

Input voltage 5...60 V ± 10%; 115 V/230 V + 5% – 15%

Rated consumption – (W)

Rated consumption ~ (VA)

Drop-out current of the relay (at 20 °C)

Drop-out current of the relay (at 20 °C)

Pick-up current

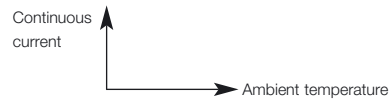
Max. output voltage

Continuous current

Derating curve

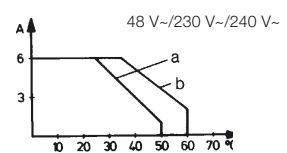
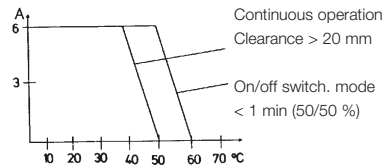
a = mounted horizontally on rail without clearance

b = mounted horizontally on rail with clearance x 20 mm



5 VTTL	12 V~	24 V~	24 V0	48 V~	48 V0	60 V~	115 V~	115 V~	230 V~ ²⁾	240 V~
0.45 W ¹⁾	0.45 W	0.45 W	0.45 W	0.45 W	0.45 W	0.45 W	–	0.82 W	–	–
–	–	–	0.7 VA	–	0.6 VA	–	0.8 VA	–	0.8 VA	1.2 VA
–	3 mA	3 mA	2.5 mA~	2 mA	2.5 mA~	1 mA~	–	2 mA~	–	0.5 mA~
–	–	–	3.5 mA~	–	4.5 mA~	–	1 mA~	–	1 mA~	1 mA~
–	–	12 mA	–	10 mA	–	–	6 mA	4.3 mA	–	–
250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V
5 A	6 A	6 A	6 A	6 A	5 A	5 A	5 A	5 A	3 A	3 A

Continuous current



Switch-on current

Switching capacity with resistive load

Min. switching capacity/switching current

Bounce times

Switching times, typical

–, pick-up lag

–, turn off delay

Max. switching frequency

Contact material

Service life, mechanical

–, 24 V~, 1 A, resistive load

–, 230 V~, 3 A, resistive load

Storage temperature

Ambient temperature

–, mounted on rail without clearance

–, mounted on rail with clearance ≥ 20 mm

8 A

2000 VA/100 W

250 mW/10 mA

≤ 3 ms

≤ 8 ms	≤ 8 ms	≤ 8 ms	≤ 8 ms	≤ 12 ms	≤ 13 ms	≤ 12 ms	≤ 9 ms	≤ 12 ms	≤ 10 ms	≤ 10 ms
≤ 7 ms	≤ 7 ms	≤ 7 ms	≤ 16 ms	≤ 11 ms	≤ 12 ms	≤ 11 ms	≤ 8 ms	≤ 11 ms	≤ 9 ms	≤ 9 ms

70 Hz

70 Hz

70 Hz

30 Hz

70 Hz

20 Hz

70 Hz

30 Hz

70 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

30 Hz

Insulation coordination acc. to EN 50178

Overvoltage category

Pollution severity

Dimensions

Mounting width

Length (perpendicular to mounting rail)

Height TS 32/TS 35 x 7.5

III

2

11.2 mm NO/NC, 25 mm changeover contacts

70 mm (74 mm BL/SL version)

56 mm/51.5 mm

¹⁾ Rated consumption with 24 VDC auxiliary voltage.

²⁾ 230 V~ on request

Relay Couplers on Sockets RS 30

RS 30

Screw connection

1 NO

1 NC



5

RS 30

Screw connection

1 changeover contact



6

RS 30

Disconnect plug with

screw connection

1 changeover contact



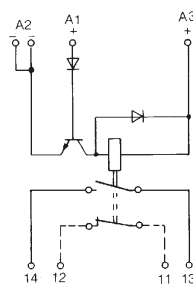
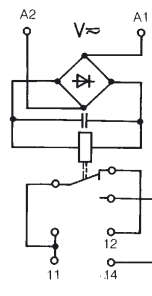
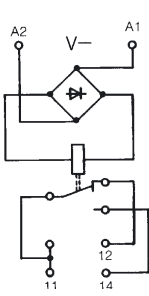
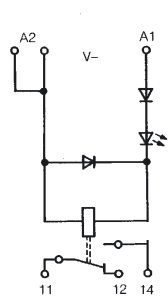
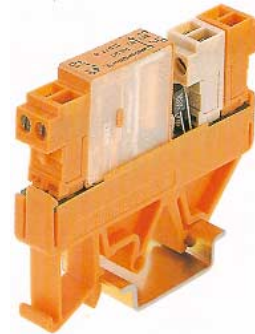
8

RS 30 TTL

Disconnect plug with

screw connection

1 NO and 1 NC



Ordering data

Connection method

Screw connection (LP)

Disconnect plug with screw connection (BL/SL)

Schematic circuit diagram

1 2 3 4 5

6 7 8 8

Contact

NO NO NC NC changeo. c.

changeo. c. changeo. c. NO NC

Input voltage

Function indicator

5 V~, TTL

None

12 V~

None

Red LED

1129421001

1129521001

None

1101661001

1100961001

24 V~

Green LED

1101611001

1100911001

1181511001

Red LED

1101621001

1100921001

1181521001

None

1101761001

1101061001

24 Vb

Green LED

1101711001

1101011001

Red LED

1101721001

1101021001

None

1101861001

1101161001

48 V~

Green LED

1101811001

1101111001

Red LED

1101821001

1101121001

None

1101961001

1101261001

48 Vb

Green LED

1101911001

1101211001

Red LED

1101921001

1101221001

None

1102061001

60 V~

Green LED

1102011001

Red LED

1102021001

None

1155161001

1155261001

115 V~

Green LED

1155111001

1155211001

Red LED

1155121001

1155221001

None

1102161001

1101461001

115 V~

Green LED

1102111001

1101411001

Red LED

1102121001

1101421001

None

1102261001

1101561001

230 V~

Green LED

1102211001

1101511001

Red LED

1102221001

1101521001

None

1128561001

1128661001

240 V~

Green LED

1128511001

1128611001

Red LED

1128521001

1128621001

1167760000

1167660000

1129660000

1100260000

1100210000

1100220000

1100360000

1100460000

1100410000

1100420000

1100560000

1100660000

1100610000

1100620000

1100760000

1100860000

Digital signal processing

Relay Couplers on Sockets RS 30

1 changeover contact

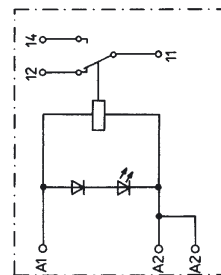
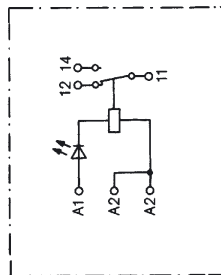
- Usable for high switching-power
- Suitable for switching inductive loads

RS 31

with power contacts



Schematic circuit diagram

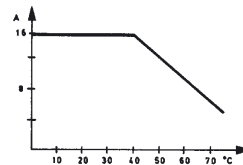
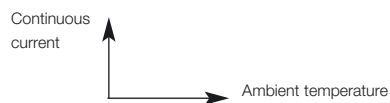


Ordering data

Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
RS 31, 24 V~	1128361001	RS 31, 48 V~	1150761001	RS 31, 115 V~	1150361001	RS 31, 115 V~	1150461001
RS 31, 24 V~	1128331001						
RS 31, 24 V~	1128311001						

Rated data

Input voltage	24 V~, ±10 %	48 V~, ±10 %	115 V~, +5 % -15 %	115 V~, +5 % -15 %
Rated consumption – (W)	1 W	1 W	1 W	–
Rated consumption – (VA)	–	–	–	1 VA
Drop-out current of the relay (at 20 °C)	11.5 mA~	13.5 mA~	5.5 mA~	–
Drop-out current of the relay (at 20 °C)	–	–	–	1.5 mA~
Max. output voltage	250 V	250 V	250 V	250 V
Continuous current	16 A	16 A	16 A	16 A
Derating curve	mounted horizontally on rail without clearance			

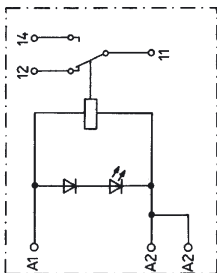


Switch-on current	60 A/200 ms	60 A/200 ms	60 A/200 ms	60 A/200 ms
Max. switching capacity with resistor load	3.5 kVA/480 W	3.5 kVA/480 W	3.5 kVA/480 W	3.5 kVA/480 W
Min. switching capacity/switching current	1 W/100 mA	1 W/100 mA	1 W/100 mA	1 W/100 mA
Bounce times	< 3 ms	< 6 ms	< 6 ms	< 6 ms
Switching times, typical				
–, pick-up lag	< 9 ms	< 12 ms	< 10 ms	< 4 ms
–, turn off delay	< 10 ms	< 8 ms	< 12 ms	< 11 ms
Max. switching frequency				
Contact material	AgCdO	AgCdO	AgCdO	AgCdO
Service life, mechanical	3 x 10 ⁷ switching operations	3 x 10 ⁷ switching operations	3 x 10 ⁷ switching operations	3 x 10 ⁷ switching operations
– 230 V, 50 Hz, 3.5 kV A	2.5 x 10 ⁵ switching operations	2.5 x 10 ⁵ switching operations	2.5 x 10 ⁵ switching operations	2.5 x 10 ⁵ switching operations
Status indicator	Red LED Yellow LED Green LED	1128361001 1128331001 1128311001	1150761001 1150361001	1150461001
Storage temperature	–40 °C...+60 °C	–40 °C...+60 °C	–40 °C...+60 °C	–40 °C...+60 °C
Ambient temperature	–25 °C...+40 °C	–25 °C...+40 °C	–25 °C...+40 °C	–25 °C...+40 °C
Insulation coordination acc. to EN 50178				
Overvoltage category	III	III	III	III
Pollution severity	2	2	2	2
Dimensions				
Mounting width	25 mm	25 mm	25 mm	25 mm
Length (perpendicular to mounting rail)	70 mm	70 mm	70 mm	70 mm
Height with TS 32/TS 35 x 7.5	58 mm/53.5 mm	58 mm/53.5 mm	58 mm/53.5 mm	58 mm/53.5 mm

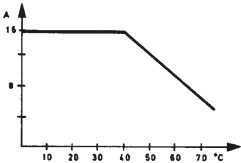
Relay Coupler on Locking Socket Profile RS 31

RS 31

with power contacts



Type	Cat. No.	
RS 31, 230 V~	1128461001	
RS 31, 230 V~	1128431001	
RS 31, 230 V~	1128411001	
230 V~, +5 % -15 %		
-		
1 VA		
-		
2.2 mA~		
250 V		
16 A		



60 A/200 ms	
3.5 kVA/480 W	
1 W/100 mA	
< 6 ms	
< 10 ms	
< 8 ms	
AgCdO	
3 x 10 ⁷ switching operations	
2.5 x 10 ⁵ switching operations	
1128461001	
1128431001	
1128411001	
-40 °C...+60 °C	
-25 °C...+40 °C	
III	
2	
25 mm	
70 mm	
58 mm/53.5 mm	

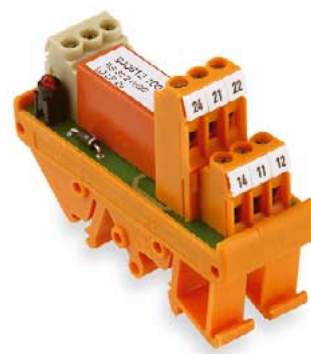
Relay Couplers on Sockets RS 32

with 2 changeover contacts

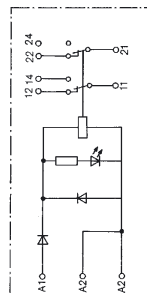
RS 32



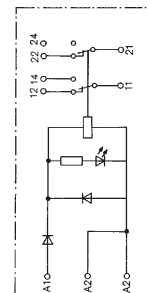
RS 32



Schematic circuit diagram



9406021001



9406121001

9406321001

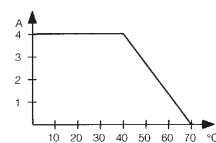
9406521001

Ordering data

Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
RS 32	9406021001	RS 32	9406121001	RS 32	9406221001	RS 32	9406321001

Rated data

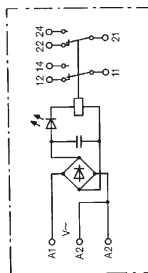
Input voltage	12 V-, ±10 %	24 V-, ±10 %	24 V0, ±10 %	48 V-, ±10 %
Rated consumption – (W)	0.6 W	0.6 W	0.6 W	0.6 W
Rated consumption ~ (VA)	–	–	0.9 VA	–
Drop-out current of the relay** (at 20 °C)	9.5 mA	5 mA	24 V-: 4.5 mA	2 mA
Drop-out current of the relay** (at 20 °C)	–	–	24 V-: 2.5 mA	–
Max. output voltage	250 V	250 V	250 V	250 V
Continuous current	2 x 4 A	2 x 4 A	2 x 4 A	2 x 4 A
Derating curve	mounted horizontally on rail without clearance			



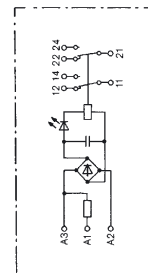
Switch-on current	2 x 6 A	2 x 6 A	2 x 6 A	2 x 6 A
Max. switching capacity with resistor load	1400 VA	1400 VA	1400 VA	1400 VA
Min. switching capacity/switching current	–	–	–	–
Bounce times	≤ 4 ms	≤ 4 ms	≤ 4 ms	≤ 4 ms
Switching times, typical	–	–	–	–
–, pick-up lag	≤ 13 ms	≤ 13 ms	≤ 13 ms	≤ 13 ms
–, turn off delay	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms
Max. switching frequency	–	–	–	–
Contact material	AgNi0.15, gold-flashed	AgNi0.15, gold-flashed	AgNi0.15, gold-flashed	AgNi0.15, gold-flashed
Service life, mechanical	> 30x10 ⁶ switching operations	> 30x10 ⁶ switching operations	> 30x10 ⁶ switching operations	> 30x10 ⁶ switching operations
–, 24 V-, 1 A, resistive load	–	–	–	–
–, 230 V-, 3 A, resistive load	–	–	–	–
Status indicator	Red LED	Red LED	Red LED	Red LED
Storage temperature	–40 °C...+60 °C	–40 °C...+60 °C	–40 °C...+60 °C	–40 °C...+60 °C
Ambient temperature	–25 °C...+40 °C	–25 °C...+40 °C	–25 °C...+40 °C	–25 °C...+40 °C
Approvals	–	CSA	–	CSA
Insulation coordination acc. to EN 50178	–	–	–	–
Overvoltage category	III	III	III	III
Pollution severity	2	2	2	2
Dimensions	–	–	–	–
Mounting width	25 mm	25 mm	25 mm	25 mm
Length (perpendicular to mounting rail)	70 mm	70 mm	70 mm	70 mm
Height with TS 32/TS 35 x 7.5	68 mm/63.5 mm	68 mm/63.5 mm	68 mm/63.5 mm	68 mm/63.5 mm

Relay Couplers on Sockets RS 32

RS 32

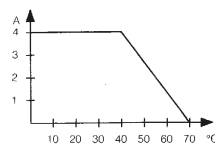


9406221001
9406421001
9406621001
9406721001



1122661001
1122761001

Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
RS 32	9406421001	RS 32	9406521001	RS 32	9406621001	RS 32	9406721001	RS 32	1122661001	RS 32	1122761001
48 V ₀ , ±10 %		60 V ₀ , ±10 %		115 V ₀ , +5 % -15 %		230 V ₀ , +5 % -15 %		24 V/48 V ₀ , ±10 %		115 V/230 V ₀ , +5 % -15 %	
0.6 W		0.6 W		0.5 W		1 W		0.5 W/0.6 W		0.5 W/1 W	
0.9 VA		—		0.6 VA		1 VA		0.7 VA/0.9 VA		0.6 VA/1 VA	
48 V~: 2 mA		1.5 mA		115 V~: 1 mA		230 V~: 1.2 mA		~: 5 mA/2 mA		~: 1 mA/1.2 mA	
48 V~: 4.5 mA		—		115 V~: 1.5 mA		230 V~: 2 mA		~: 3 mA/4.5 mA		~: 1.5 mA/2 mA	
250 V		250 V		250 V		250 V		250 V		250 V	
2 x 4 A		2 x 4 A		2 x 4 A		2 x 4 A		2 x 4 A		2 x 4 A	



2 x 6 A	2 x 6 A	2 x 6 A	2 x 6 A	2 x 6 A	2 x 6 A
1400 VA	1400 VA	1400 VA	1400 VA	1400 VA	1400 VA
≤ 4 ms	≤ 4 ms	≤ 4 ms	≤ 4 ms	≤ 4 ms	≤ 4 ms
≤ 13 ms	≤ 10 ms	≤ 13 ms	≤ 13 ms	≤ 13 ms	≤ 13 ms
≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms	≤ 10 ms
AgNi0.15, gold-flashed	AgNi0.15, gold-flashed	AgNi0.15, gold-flashed	AgNi0.15, gold-flashed	AgNi0.15, gold-flashed	AgNi0.15, gold-flashed
> 30x10 ⁶ switching operations	> 30x10 ⁶ switching operations	> 30x10 ⁶ switching operations	> 30x10 ⁶ switching operations	> 30x10 ⁶ switching operations	> 30x10 ⁶ switching operations
Red LED	Red LED	Red LED	Red LED	Green LED	Green LED
-40 °C...+60 °C	-40 °C...+60 °C	-40 °C...+60 °C	-40 °C...+60 °C	-40 °C...+60 °C	-40 °C...+60 °C
-25 °C...+40 °C	-25 °C...+40 °C	-25 °C...+40 °C	-25 °C...+40 °C	-25 °C...+40 °C	-25 °C...+40 °C
III	III	III	III	III	III
2	2	2	2	2	2
25 mm	25 mm	25 mm	25 mm	25 mm	25 mm
70 mm	70 mm	70 mm	70 mm	70 mm	70 mm
68 mm/63.5 mm	68 mm/63.5 mm	68 mm/63.5 mm	68 mm/63.5 mm	68 mm/63.5 mm	68 mm/63.5 mm

Multiple Socket Interface RSM

(Relay Coupler)

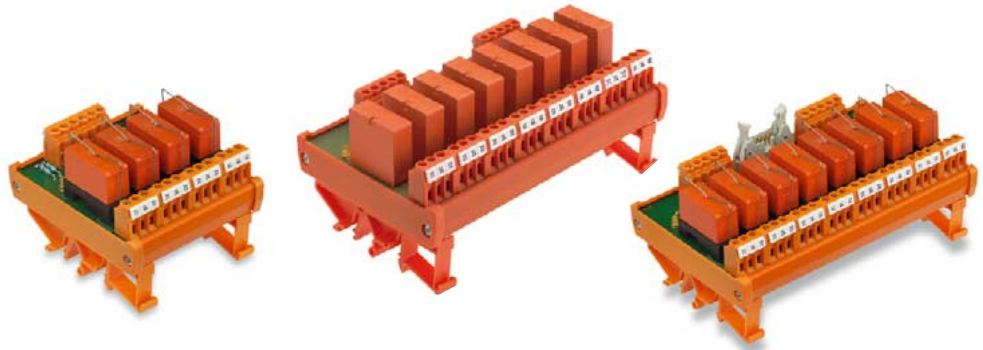
with one changeover contact each

RSM 4 R 4 relays, soldered

RSM 4 RS 4 relays, plug-in

RSM 8 R 8 relays, soldered

RSM 8 RS 8 relays, plug-in

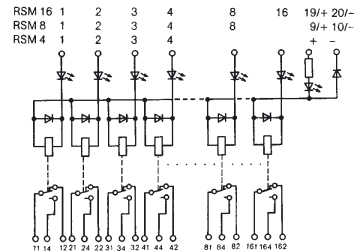


Also available as opto-coupler (max. 48 V),
See page 120/121

Schematic circuit diagram

Fixing feet can also be mounted turned through 180°

DC voltage, positive switching



Rated data

Input voltage	
Rated consumption ~ (W)	soldered relay
	plug-in relay
Rated consumption ~ (VA)	soldered relay
	plug-in relay
Pick-up current ~ (mA)	soldered relay
– (mA)	plug-in relay
Pick-up current ~ (mA)	soldered relay
– (mA)	plug-in relay

Drop-out current of the relay (at 20 °C)

Max. output voltage

Continuous current

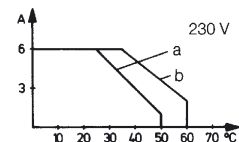
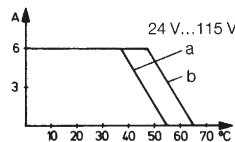
Derating-curve

a = mounted horizontally on rail without clearance

b = mounted horizontally on rail with clearance ≥ 20 mm



24 V–	24 V0	48 V–	48 V0	115 V–	115 V0	230 V–	230 V0
0.45 W	0.45 W	0.45 W	0.45 W	–	–	–	–
0.55 W	–	0.55 W	–	–	–	–	–
–	0.5 VA	–	0.6 VA	0.6 VA	0.6 VA	0.9 VA	0.9 VA
–	–	–	–	0.6 VA	0.6 VA	1.2 VA	1.2 VA
12 mA	–	10 mA	–	–	5 mA	–	3 mA
23 mA	12 mA	14 mA	–	–	–	–	–
–	–	–	–	–	6 mA	–	3.5 mA
–	16.5 mA	–	–	5 mA	–	4 mA	–
2 mA	–	1.5 mA	–	1 mA	–	1 mA	–
250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V
6 A	6 A	6 A	6 A	6 A	6 A	3 A	3 A



Switching times, typical

–, pick-up lag (–/–)

–, turn off delay (–/–)

Bounce times

Switch-on current

Switching capacity with resistive load

Min. switching capacity/switching current

Contact material

Service life, mechanical

–, 24 V–, 1 A, resistive load

–, 230 V–, 3 A, resistive load

Storage temperature

Ambient temperature

Insulation coordination acc. to EN 50178

Overvoltage category

Pollution severity

Dimensions

Conductor cross-section (screw connection)

Spare relay (pluggable)

for 24 V-RSM types

for 48 V-RSM types

for 115 V, 230 V-RSM types

≤ 8 ms	≤ 10 ms/10 ms	≤ 12 ms	≤ 10 ms/12 ms	≤ 10 ms	≤ 8 ms/10 ms	≤ 10 ms	≤ 8 ms/10 ms
≤ 7 ms	≤ 15 ms/20 ms	≤ 11 ms	≤ 15 ms/20 ms	≤ 10 ms	≤ 5 ms/8 ms	≤ 10 ms	≤ 7 ms/8 ms
≤ 3 ms	≤ 3 ms	≤ 3 ms	≤ 3 ms	≤ 3 ms	≤ 3 ms	≤ 3 ms	≤ 3 ms
8 A	8 A	8 A	8 A	8 A	8 A	8 A	8 A
2000 VA	2000 VA	2000 VA	2000 VA	2000 VA	2000 VA	2000 VA	2000 VA
250 mW/10 mA							
AgNi 90/10, AgNi0,15, gold-flashed							
> 30x10 ⁶ switching operations							
> 5 x 10 ⁵ switching operations							
> 7 x 10 ⁵ switching operations							
–40 °C...+60 °C							
–25 °C...+50 °C							

III

2

0.5...2.5 mm²

Input voltage	Contact material	Cat. No.	Notes
24 V–	AgNi 90/10	8630780000	RT 314024 with yoke
24 V–	AgNi 90/10	4058480000	RT 314024 without yoke
48 V–	AgNi 90/10	8630790000	RT 314048 with yoke
48 V–	AgNi 90/10	4058740000	RT 314048 without yoke
115 V–	AgNi 90/10	8630770000	RT 314110 with yoke
115 V–	AgNi 90/10	4058500000	RT 314110 without yoke
115 V–	Au 5	4156970000	ZLT input relay KHU/BV 1680

16 relays, plug-in



DC voltage, negative switching

RSM 16 1 2 3 4 8 16 19/- 20/+
 RSM 8 1 2 3 4 9/- 10/+
 RSM 4 1 2 3 4 - +

AC-DC/DC voltage

RSM 16 1 2 3 4 8 N 16 N
 RSM 8 1 2 3 4 9 N 10 N
 RSM 4 1 2 3 4 11 N 12 N

[illegible]

1) Common negative potential, positive is switched
2) Common negative potential, negative is switched

³⁾ Approval by the Germanischer Lloyd
⁴⁾ Empty modules without relays

Relay Socket Module for Industry Relays

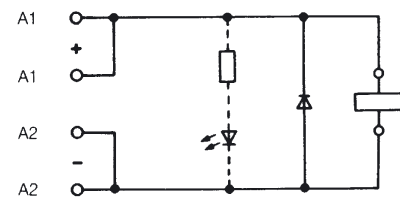
Weidmüller relay sockets for mounting rails enable plug-in relays most commonly used in industry to be mounted; they make possible installations in which the control section and power section are perfectly separated. The coil terminals and the connection terminals are located on opposite sides of the locking socket modules.

The conductors are connected via screw terminals; the securing in the terminal is achieved by a clamping yoke system. This method has been used by Weidmüller for many years, and is the only method that guarantees a reliable connection in industrial applications.

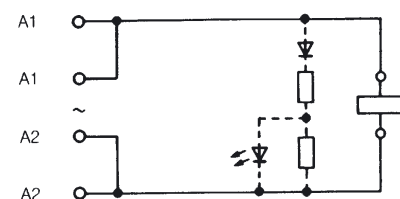
Thanks to their combination foot, these modules can be mounted onto TS 32, TS 35x7.5, TS 35x15 mounting rails in accordance with European standards EN 50035 and EN 50022.

The connections are marked according to European Standard EN 50005. The modules are designed for DC relays (with a damping diode parallel to the coil, as well as a protection diode for reverse polarity protection) and AC relays.

They can be provided with an LED on request.



DC voltage



Ac voltage

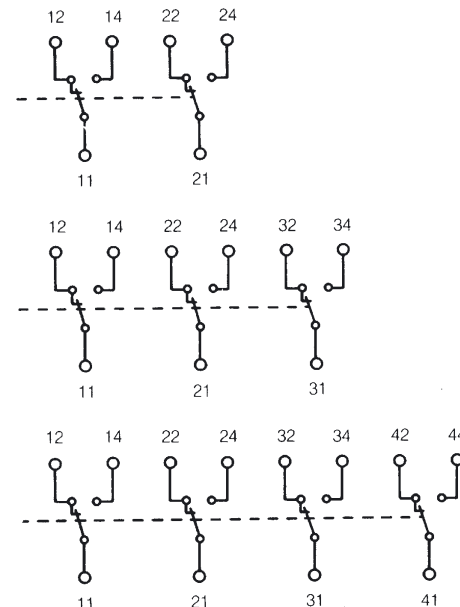
The input terminals are doubled, in order to pick off the poles. Note the following for DC current operation:

A1 = +

A2 = -

The contacts available at the output are: 2, 3 or 4 changeover contacts.

The marking of the contacts in the following diagram corresponds to European standard EN 50005.



The standard range of relay socket modules is divided as follows:

Group 1:

RS 3 (2 changeover contacts)

RS 4, RS 14 (4 changeover contacts)

For relays of the type "international"

Group 2:

RS 6 (2 changeover contacts) Size 1

RS 7, 17 (3 changeover cont.) Size 2

RS 8, 18 (4 changeover cont.) Size 2

RS 9 (2 changeover cont.) Size 2

For relays of the type "European".

Relays with 4 changeover contacts (size 2) can be secured to RS 7, RS 17 and RS 9; however, only 3 or 2 changeover contacts are connected to the terminals, which results in space savings.

Group 3:

RS 21 (2 changeover contacts)

RS 23 (3 changeover contacts)

RS 24 (2 x 3 changeover cont.)

For relays with one socket with 8 or 11 pins.

The table on page 87 offers an overview of the most important manufacturers of relays in groups 2, 3 and 4. The list is provided for information purposes only, and does not claim to be complete

List of Plug-in Relays for Weidmüller Relay Socket Modules

Manufacturer	Group 1	Group 2	Group 3
	International relays	European relays	Relays with socket oktal
	• RS 3 2 changeover contacts • RS 4, RS 14 4 changeover contacts	• RS 6 2 changeover contacts (Size 1) • RS 7, RS 17 3 changeover cont. (Size 2) • RS 8, RS 18 4 changeover cont. (Size 2) • RS 9 2 changeover cont. (Size 2)	• RS 21 2 changeover contacts • RS 23 3 changeover contacts • RS 24 2x3 changeover contacts
Relay type	Relay type	Relay type	Relay type
EBERLE	• – • –	• – • Type 40701 • Type 40701 • – • – • – • – • – • –	• – • Type 41454 • Type 41454
ELESTA	• – • –	• – • – • –	• SKR 085 • SKR 115
FEME	• – • –	• – • – • – • –	• RCP 8 • RCP 11 • RCP 11
GRUNER	• – • –	• Series 9065 G • Series 9059 G/9066 G • Series 9059 G/9066 G • Series 9059 G/9066 G	• Series 668 B 2 changeover contacts • Series 668 A 3 changeover contacts • Series 668 A 3 changeover contacts
HALLER	• – • –	• Series H-561 Size 1 • Series H-561 Size 2 • Series H-561 Size 2 • Series H-561 Size 2	• HB-1/1 • HB-1/2 • HB-1/2
ITT (MTI)	• MAT 2 • MAT 4	• Type 24 • Type 25 • Type 25 • Type 25	• – • – • –
FUJITSU	• FRL 263-02 • FRL 263-04	• – • – • – • –	• FRL 256-02 • FRL 256-04 • FRL 256-04
KUHNKE	• – • Type 111 A4	• – • – • – • –	• Universal relays-M/-H/-U • Universal relays-M/-H/-U • Universal relays-M/-H/-U
KUKE	• – • –	• Miniature relays Type 01 • Miniature relays Type 02 • Miniature relays Type 02 • Miniature relays Type 02	• – • – • –
NATIONAL	• HC 2 • HC 4	• – • – • – • –	• – • – • –
OMRON	• MY 2 • MY 4	• MHS-2 • MHS-4 • MHS-4 • MHS-4	• MK 2 • MK 3 • MK 3
POTTER & BRUMFIELD	• – • Series KH	• – • Series R 10 • Series R 10 • Series R 10	• Series KAP • Series KAP • Series KAP
RAPA	• – • –	• Series 012 Size 1 • Series 012 Size 2 • Series 012 Size 2 • Series 012 Size 2	• Series C-Type CKR • Series C-Type CKR • Series C-Type CKR
Tyco/SCHRACK	• ZT 4 • PT 4	• Relays N, S, W Size 1 • Relays N, S, W Size 2 • Relays N, S, W Size 2 • Relays N, S, W Size 2	• Series RN/RC • Series RN/RC • Series RN/RC
SDS	• HC 2 • HC 4	• K 2 • K 4 • K 4 • K 4	
TEC	• – • Type 1301	• Type 1350 • Type 1360 • Type 1360 • Type 1360	• Type 1210 • Type 1210 • Type 1210
ZETTLER	• – • TEC 1401	• AZ E 20, AZ 420, AZ 420 W • AZ E 21, AZ 421, AZ 421 W • AZ E 21, AZ 421, AZ 421 W • AZ E 21, AZ 421, AZ 421 W	• AZ 1010 – AZ 509 2 C • AZ 1010 – AZ 509 3 C • AZ 1010 – AZ 509 3 C

Relay Sockets for Industry Relays

PT 4 industry relays

4-pole, with test button



Rated data

Contact data	
Contact number and type	4 changeover contacts
Contact version	Single contacts
Contact material	AgNi 90/10, AgNi 90/10 htv
Max. braking capacity AC	1500 VA
Rated voltage	250 V~
Continuous current	6 A / contact
Switch-on current	12 A / contact
Min. contact rating	24V, 10 mA / 20 m, 1 mA htv
Mechanical service life	DC coil > 30x10 ⁶ AC coil > 20x10 ⁶
Response / drop out time	15/10 ms
Bounce time	5 ms
Test voltage	2.5 kV _{eff} coil / contact
Isolation acc. to IEC664	B, 60 V~/75 V
Rated voltage	250 V
Pollution severity	2
Overvoltage category	III
Insulation group / reference voltage	B/250
Approvals	VDE, UL, CSA

Miscellaneous data

Protection class	IP50
Flammability class UL 94	V-0
Ambient temperature	DC coil -40 ... + 70 °C AC coil -40 ... + 70 °C
Weight	30g

Correspond. relay socket

- Relay sockets Type RS 3, RS 4 and RS 14
- Alternatives to ZT 4 see table on page 99

Ordering data

	Type (ZT 4)	Best.-Nr
6 V~	PT 570006	8074650000
12 V~	PT 570012	8054360000
24 V~	PT 570024	1180700000
48 V~	PT 570048	8074670000
60 V~	PT 570060	8074680000
115 V~	PT 570110	8074700000
6 V~	PT 570506	8074710000
12 V~	PT 570512	8074730000
24 V~	PT 570524	1181800000
48 V~	PT 570548	1180900000
60 V~	PT 570560	8074760000
115 V~	PT 570615	1180800000
230 V~	PT 570730	1181100000
Retainer clip for SIEMENS-Relays	PT 28800	8572170000

Relay Sockets for Industry Relays

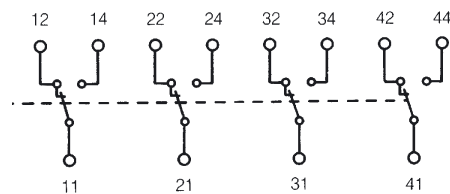
RS 3

RS 4

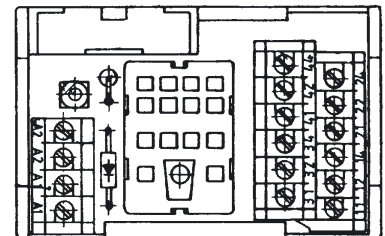
RS 14



Relay sockets for DC and AC voltage relays
with fixing foot for TS 32/TS 35x7.5 and TS 35x15



0125661001



Relay type*	Schrack	Schrack	Schrack
	Type PT 5	Type PT 5	Type PT 5
	4-pole	4-pole	4-pole
Contacts on module	2 changeover contacts	4 changeover contacts	4 changeover contacts
Ordering data	Sockettyp	RS 3	RS 4
Relay socket for AC relays (without diode)		0115161001	0116261001
With red LED (230 V~)			
Relay socket for DC relays with suppressor diode and reserve voltage protection (diode 1 N 4007)		0115061001	0116161001
With red LED (24 V~)			0116121001
With green LED (24 V~)		0115011001	
Dimensions			
Relay socket width	35 mm	65 mm	45 mm
Insulation stripping length	7 mm	7 mm	7 mm
Connection data			
Screw connection, solid	0.5...4 mm ²	0.5...4 mm ²	0.5...4 mm ²
Screw connection, flexible	0.5...2.5 mm ²	0.5...2.5 mm ²	0.5...2.5 mm ²
Conductor cross-section	AWG 26...14	AWG 26...14	AWG 26...14
Rated data			
Coil voltage (types without LED)	250 V ₀	250 V ₀	250 V ₀
Contact voltage	250 V~	125 V~	125 V~
Contact current	5 A	5 A	5 A
Accessories	Type	Cat. No.	Qty.
Mounting rail (2 m lengths)	TS 32	0122800000	–
	TS 35x7.5	0383400000	–
	TS 35x15	0498000000	–
End bracket (thickness mm)	EWK 2	0199360000	50
	EW 35	0383560000	50
Insert tag (blanc)**	ESo 7	0515200000	–
Protective strip, transparent**	SSt 7	0515300000	100
Retainer clip for Schrack relays	ZG 28800	0116000000	25

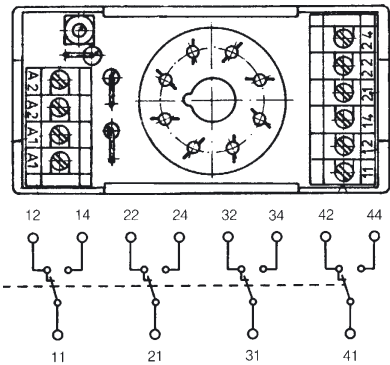
* Relay not included in delivery

Relay Coupler, Relay Sockets Module for Industry Relays

RS 21 RS 23 RS 24



0167161001



Plug-in relay for	Plug-in relay for
Octal socket	submagnal socket
8-pole	11-pole
2 changeov. c. 3 changeov. c. 2 x 3 changeov. c.	

RS 21	RS 23	RS 24
on request	8010061001	on request
0167161001	0188661001	on request

35 mm	40 mm	75.5 mm
7 mm	7 mm	7 mm
0.5...4 mm ²	0.5...4 mm ²	0.5...4 mm ²
0.5...2.5 mm ²	0.5...2.5 mm ²	0.5...2.5 mm ²
AWG 26...14	AWG 26...14	AWG 26...14

250 V0	250 V0	250 V0
250 V~	250 V~	250 V~
6 A	6 A	6 A
Type	Cat. No.	Qty.
TS 32	0122800000	-
TS 35x7.5	0383400000	-
TS 35x15	0498000000	-
EWK 2	0199360000	50
EW 35	0383560000	50
ESo 7	0515200000	-
SSt 7	0515300000	100

