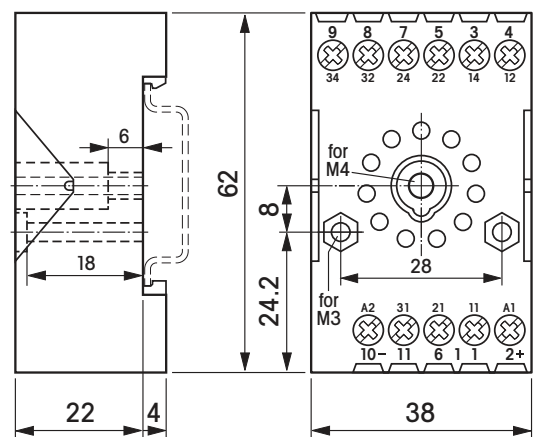
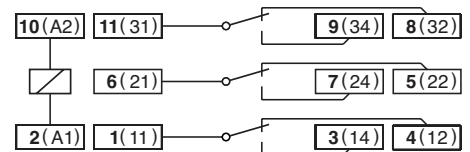


Rated Load	10 A / 400 V
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S2-B**Socket for 8-pin Relays and Time Cubes**

Rated Load	10 A / 300 V
-------------------	---------------------

Specifications

Rated impulse withstand voltage

– All terminals / DIN rail

2.5 kV rms / 1 min

– Terminal / Terminal

2.5 kV rms / 1 min

Cross-section of connecting wire

– Single-wire

4 mm² / AWG 12 or 2 x 2.5 mm² / AWG 14

– Multi-wire

0.34 mm² / AWG 22 - 2.5 mm² / AWG 14

Nominal screw torque

0.7 Nm

Screw Dimensions (mm)

M3 Pozi slot

Mounting

TS-35 or Back Panel Mounting

Ambient temperature operation / storage

-40...60 °C / -40 ... 80 °C (no ice)

Weight

48g

Included Accessories

Retaining Clip, plastic

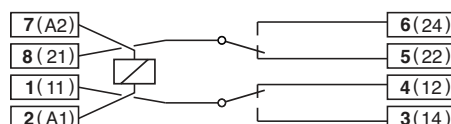
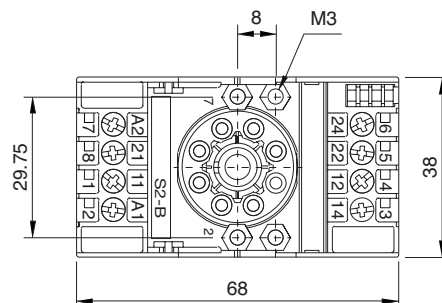
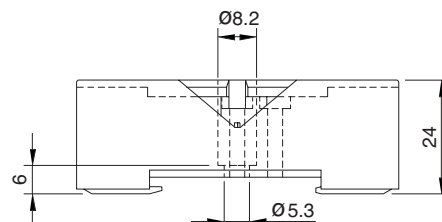
S30-CM for C2 / C2x Relays

Optional Accessories

Retaining clip, steel

HF-32 (BAG 10 PCS) for C2 / C2x Relays

HF-33 (BAG 10 PCS) for Time Cube CTx

**Connection diagram****Dimensions (mm)****Technical approvals, conformities**

S3-B



Socket for 11-pin Relays and Time Cubes

Rated Load	10 A / 300 V
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Specifications

Rated impulse withstand voltage	
– All terminals / DIN rail	2.5 kV rms / 1 min
– Terminal / Terminal	2.5 kV rms / 1 min
Cross-section of connecting wire	
– Single-wire	4 mm² / AWG 12 or 2 x 2.5 mm² / AWG 14
– Multi-wire	0.34 mm² / AWG 22 - 2.5 mm² / AWG 14
Nominal screw torque	0.7 Nm
Screw Dimensions (mm)	M3 Pozi slot
Mounting	TS-35 or Back Panel Mounting
Ambient temperature	-40 ... 60 °C / -40 ... 80 °C (no ice)
Weight	55g

Included Accessories

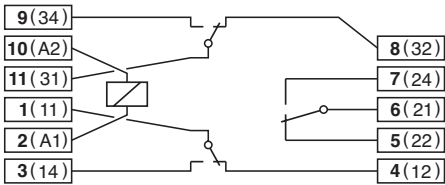
Retaining Clip, plastic	S30-CM for C3 / C3x Relays
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Optional Accessories

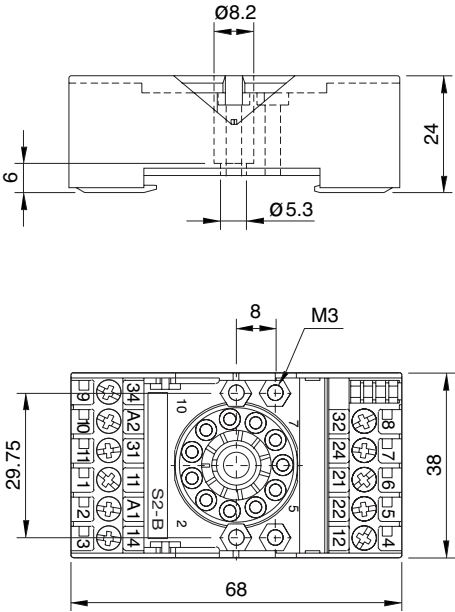
Retaining clip, steel	HF-32 (BAG 10 PCS) for C3 / C3x Relays HF-33 (BAG 10 PCS) for Time Cube CTx
Coding Ring	S3-BC (BAG 5 PCS) for C3 / C3x Relays



Connection diagram



Dimensions (mm)



Technical approvals, conformities



S3-M**Socket for 11-pin Relays and Time / Monitoring Module**

Rated Load	10 A / 250 V
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Specifications

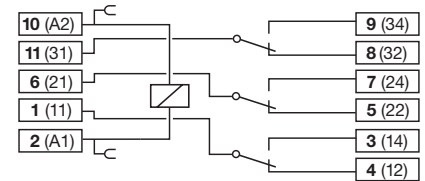
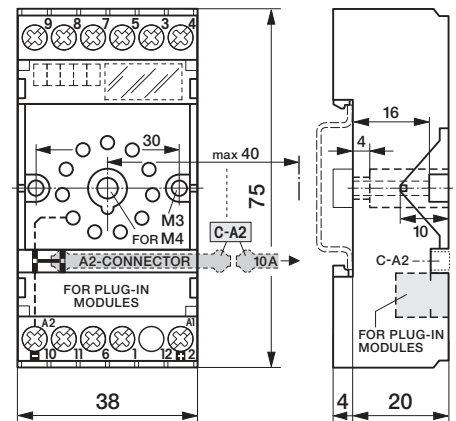
Rated impulse withstand voltage	2.5 kV rms / 1 min
– All terminals / DIN rail	2.5 kV rms / 1 min
– Terminal / Terminal	
Cross-section of connecting wire	
– Single-wire	1 x 6 mm ² / AWG 10, 2 x 1.5 mm ² / AWG 16
– Multi-wire	1 x 4 mm ² /AWG 12, 2 x 1.5 mm ² /AWG 16
Nominal screw torque	0.7 Nm
Screw Dimensions (mm)	M3 Pozi slot
Mounting	TS-35 or Back Panel Mounting
Ambient temperature operation/storage	-25 ... 60 °C / -40 ... 80 °C (no ice)
Weight	61g

Included Accessories

A2-Connector	C-A2
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Optional Accessories

Retaining clip, steel	HF-32 (BAG 10 PCS) for C3 / C3x Relays HF-33 (BAG 10 PCS) for Time Cube CTx
Coding Ring	S3-BC (BAG 5 PCS) for C3 / C3x Relays
A2-Connector	C-A2 (BAG 5 PCS), C-A2 (BAG 50 PCS)
Free-wheeling Diode Module	RD1/DC12-220V
RC-Suppressor Module	RC1/UC110-240V

**Connection diagram****Dimensions (mm)****Technical approvals, conformities**

IEC/EN 50155

S3-M0 / S3-M1**Socket for 11-pin Relays and Time / Monitoring Module****Rated Load****10 A / 250 V****Specifications**

Rated impulse withstand voltage

– All terminals / DIN rail

2.5 kV rms / 1 min

– Terminal / Terminal

2.5 kV rms / 1 min

Cross-section of connecting wire

– Single-wire

1 x 6 mm²/ AWG 10, 2 x 1.5 mm²/ AWG 16

– Multi-wire

1 x 4 mm²/AWG 12, 2 x 1.5 mm²/AWG 16

Nominal screw torque

0.7 Nm

Screw Dimensions (mm)

M3 Pozi slot

Mounting

TS-35 or Back Panel Mounting

Ambient temperature operation/storage

-25 ... 60 °C / -40 ... 80 °C (no ice)

Weight

61g

Included Accessories

A2-Connector

C-A2

Optional Accessories

Retaining clip, steel

HF-32 (BAG 10 PCS) for C3 / C3x Relays

HF-33 (BAG 10 PCS) for Time Cube CTx

S3-BC (BAG 5 PCS) for C3 / C3x Relays

C-A2 (BAG 5 PCS), C-A2 (BAG 50 PCS)

RD1/DC12-220V

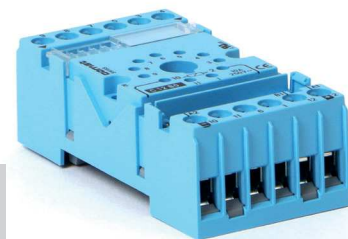
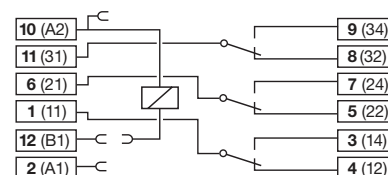
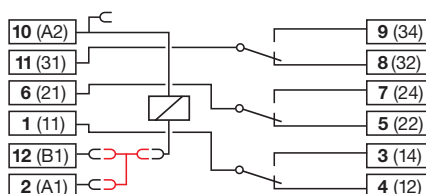
RC1/UC110-240V

Coding Ring

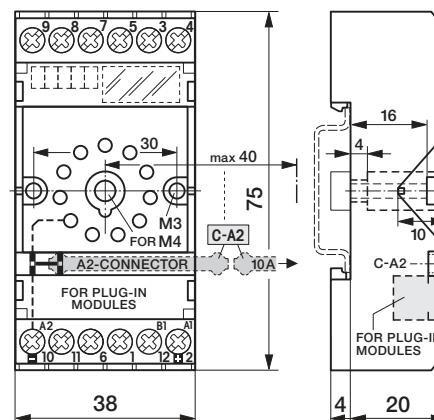
A2-Connector

Free-wheeling Diode Module

RC-Suppressor Module

**comat**
RELECO**Connection diagram S3-M0****Connection diagram S3-M1**

With Bridge Connector SC-3

Dimensions (mm)**Technical approvals, conformities**

IEC/EN 50155

S3-S**Socket for 11-pin standard Relays and Time Cubes**

Rated Load	10 A / 250 V
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Specifications

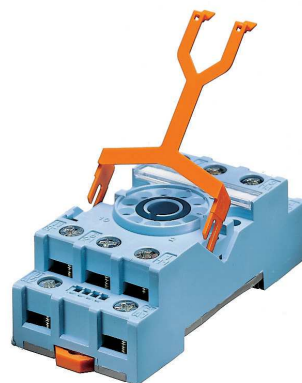
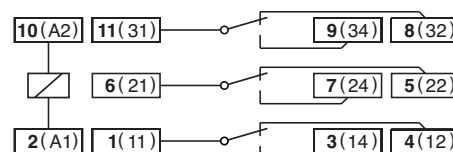
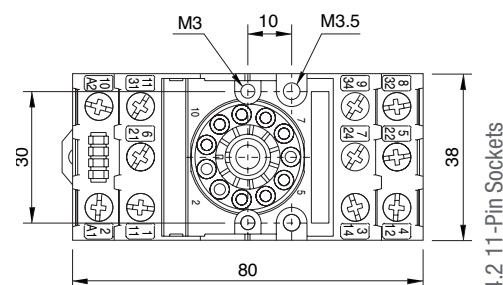
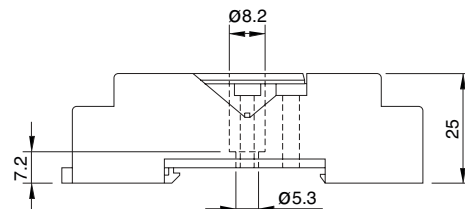
Rated impulse withstand voltage	2.5 kV rms / 1 min
– All terminals / DIN rail	2.5 kV rms / 1 min
– Terminal / Terminal	
Cross-section of connecting wire	
– Single-wire	4 mm ² / AWG 12 or 2 x 2.5 mm ² / AWG 14
– Multi-wire	0.34 mm ² / AWG 22 - 2.5 mm ² / AWG 14
Nominal screw torque	1.2 Nm
Screw Dimensions (mm)	M3.5 Pozi slot
Mounting	TS-35 or Back Panel Mounting
Ambient temperature operation/storage	-40...60 °C / -40 ... 80 °C (no ice)
Weight	69g

Included Accessories

Retaining Clip, plastic	S30-CM for C3 / C3x Relays
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Optional Accessories

Retaining clip, steel	HF-32 (BAG 10 PCS) for C3 / C3x Relays
	HF-33 (BAG 10 PCS) for Time Cube CTx
Coding Ring	S3-BC (BAG 5 PCS) for C3 / C3x Relays

**Connection diagram****Dimensions (mm)**

4.2 11-Pin Sockets

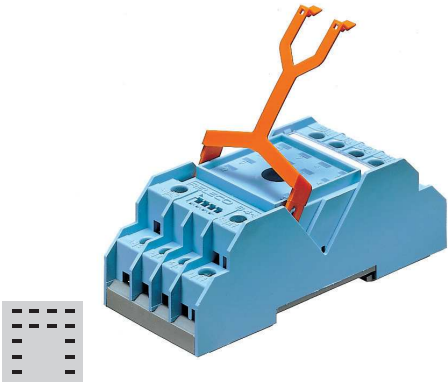
Technical approvals, conformities

S4-J

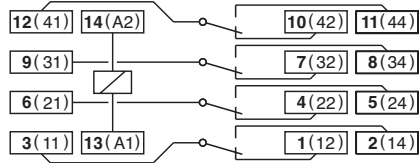
Socket for 14-pin C4 Relays



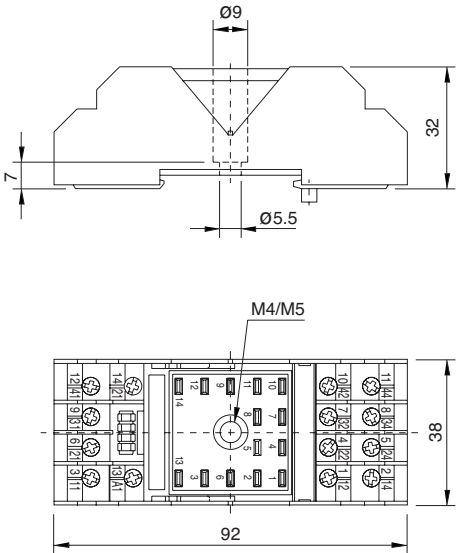
Rated Load	10 A / 250 V
Specifications	
Rated impulse withstand voltage	
– All terminals / DIN rail	2.5 kV rms / 1 min
– Terminal / Terminal	2.5 kV rms / 1 min
Cross-section of connecting wire	
– Single-wire	1.5 mm² / AWG 15 or 2 x 1.5 mm² / AWG 15
– Multi-wire	0,34 mm² / AWG 22 - 1 mm² / AWG 17
Nominal screw torque	1 Nm
Screw Dimensions (mm)	M3.5 Philips-slot (combo)
Mounting	TS-35 or Back Panel Mounting
Ambient temperature	-40 ... 60 °C / -40 ... 80 °C (no ice)
Weight	80g
Included Accessories	
Retaining Clip, plastic	S3-CM/CP-15B (BAG 10 PCS) for C4 Relays
Optional Accessories	
Retaining Clip, steel	S3-C (BAG 10 PCS) for C4 Relays



Connection diagram



Dimensions (mm)



Technical approvals, conformities



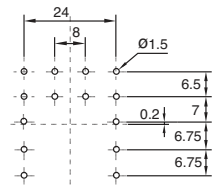
S4-P

PCB Socket for 14-pin C4 Relays

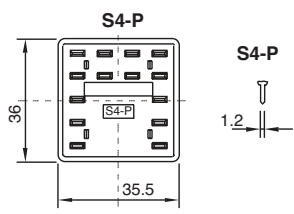
Rated Load	10 A / 250 V
Specifications	
Rated impulse withstand voltage	2.5 kV rms / 1 min
– Pin / Pin	
Ambient temperature	-30 °C ... +60 °C (no ice)
Weight	21g
Optional Accessories	
Retaining spring, steel	S4-CL (BAG 10 PCS) for C4 / C4x Relays



Printed circuit lay-out (mm)



Dimensions (mm)

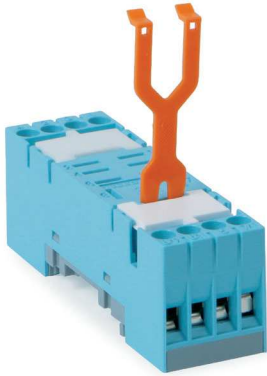


Technical approvals, conformities



S7-C

Socket for 8-pin Relays



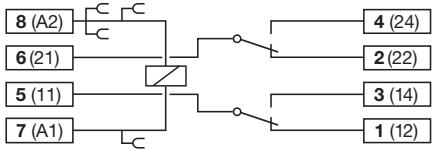
Rated Load	10A, 16A for 1 pole / 250 V
Specifications	
Rated impulse withstand voltage	
– All terminals / DIN rail	2.5 kV rms / 1 min
– Terminal / Terminal	2.5 kV rms / 1 min
Cross-section of connecting wire	
– Single-wire	4 mm² / AWG 12, 2 x 1.5 mm² / AWG 16
– Multi wire	2.5 mm² / AWG 14, 2 x 1 mm² / AWG 18
Nominal screw torque	0.7 Nm
Screw Dimensions (mm)	M3 Pozi slot
Mounting	TS-35 or Back Panel Mounting
Ambient temperature operation/storage	-40...60°C (50°C for 16A)/-40...80°C (no ice)
Weight	37g

Included Accessories	
Retaining clip, plastic	CP-07B for C7 / C7x Relays

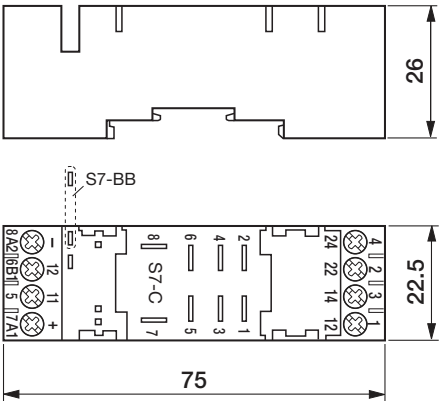
Optional Accessories	
Retaining clip, plastic	CP-07B (BAG 50 PCS) for C7 / C7x Relays
A2-Connector	S7-BB (BAG 20 PCS)
Panel Adapter	S9-G (BAG 10 PCS)

Please Note:
This socket replaces former socket S7-M and S7-16

Connection diagram



Dimensions (mm)



Technical approvals, conformities



S7-IO

Socket for 8-pin Relays

Rated Load	10 A / 250 V
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Specifications

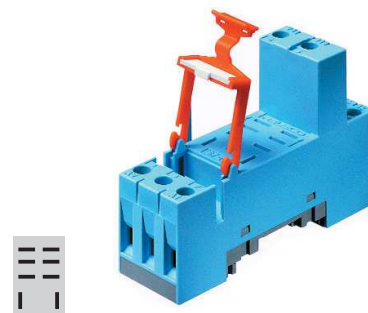
Rated impulse withstand voltage	2.5 kV rms / 1 min
– All terminals / DIN rail	2.5 kV rms / 1 min
– Terminal / Terminal	
Cross-section of connecting wire	
– Single-wire	4 mm ² / AWG 12, 2 x 2.5 mm ² / AWG 14
– Multi wire	0.34 mm ² / AWG 22 - 2.5 mm ² / AWG 14
Nominal screw torque	0.7 Nm
Screw Dimensions (mm)	M3 Pozi slot
Mounting	TS-35 or Back Panel Mounting
Ambient temperature operation/storage	-40...60 °C / -40 ... 80 °C (no ice)
Weight	38g

Included Accessories

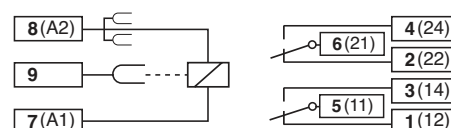
Retaining clip, plastic	S9-C for C7 / C7x Relays
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Optional Accessories

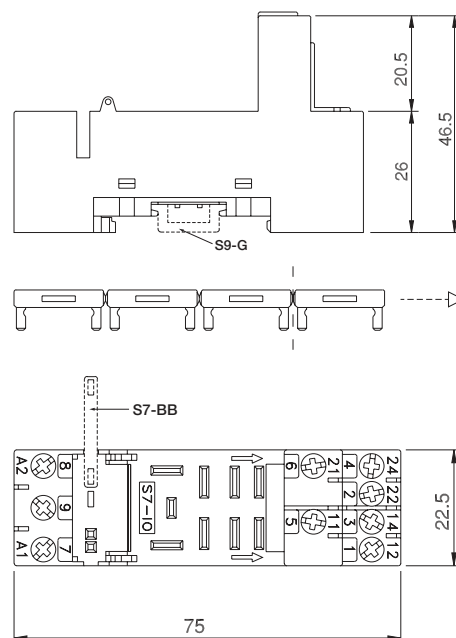
Retaining clip, plastic	S9-C (BAG 10 PCS) for C7 / C7x Relays
A2-Connector	S7-BB (BAG 20 PCS)
Panel Adapter	S9-G (BAG 10 PCS)



Connection diagram



Dimensions (mm)



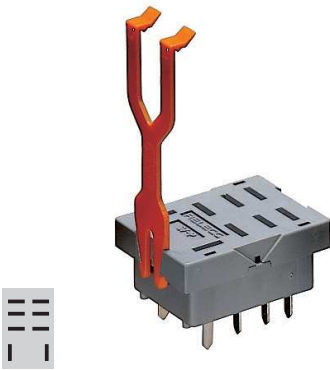
Technical approvals, conformities



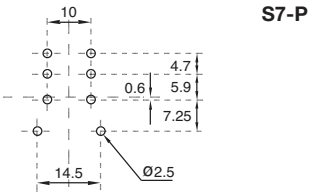
S7-P

PCB Socket for 8-pin Relays

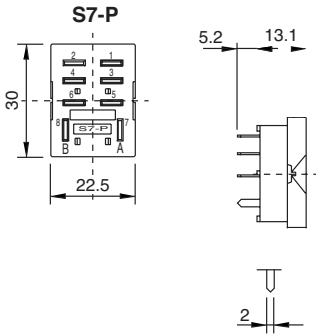
Rated Load	10 A / 250 V
Specifications	
Rated impulse withstand voltage	
– Pin / Pin	2.5 kV rms / 1 min
Ambient temperature operation/storage	-40 ... 60 °C / -40 ... 80 °C (no ice)
Weight	10g
Included Accessories	
Retaining clip, plastic	CP-07B for C7 / C7x Relays
Optional Accessories	
Retaining clip, plastic	CP-07B (BAG 50 PCS) for C7 / C7x Relays



Printed circuit lay-out (mm)



Dimensions (mm)



Technical approvals, conformities



S9-M

Socket for 14-pin Relays

Rated Load

6 A / 250 V

Specifications

Rated impulse withstand voltage

– All terminals / DIN rail

2.5 kV rms / 1 min

– Terminal / Terminal

2.5 kV rms / 1 min

Cross-section of connecting wire

– Single-wire

 4 mm² / AWG 12 or 2 x 2.5 mm² / AWG 14

– Multi-wire

 0.34mm² / 22 - 2.5 mm² / AWG 14

Nominal screw torque

0.7 Nm

Screw Dimensions (mm)

M3 Pozzi slot

Mounting

TS-35 or Back Panel Mounting

Ambient temperature operation/storage

-40 ... 60 °C / -40 ... 80 °C (no ice)

Weight

54g

Included Accessories

Retaining clip, plastic

S9-C for C9 / C9x Relays

Optional Accessories

Retaining clip, plastic

S9-C (BAG 10 PCS) for C9 / C9x Relays

Panel Adapter

S9-G (BAG 10 PCS)

Bridge Bar

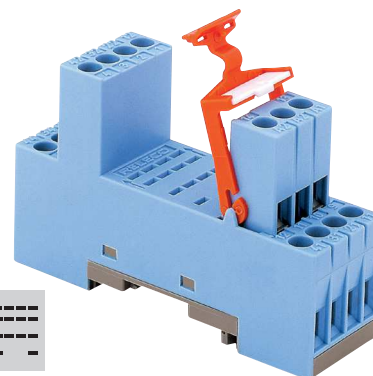
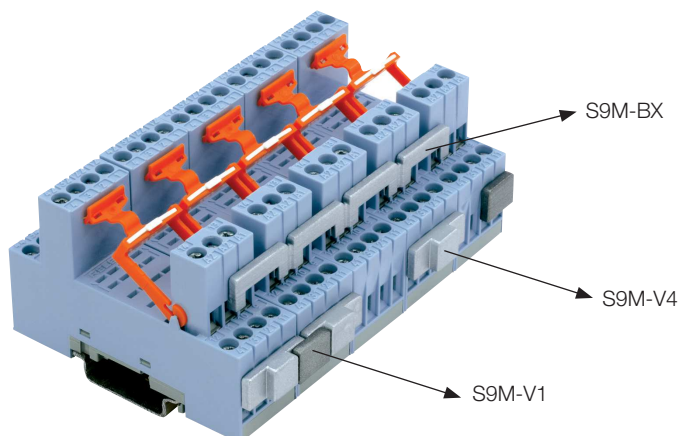
S9M-V1 (BAG 5 PCS)

Bridge Bar

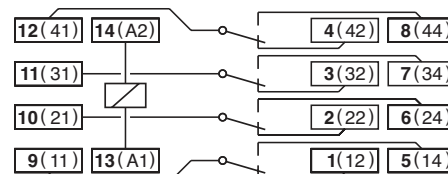
S9M-V4 (BAG 5 PCS)

Bridge Bar

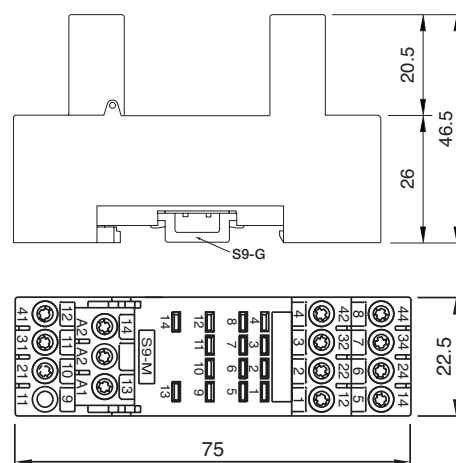
S9M-BX (BAG 5 PCS)



Connection diagram



Dimensions (mm)



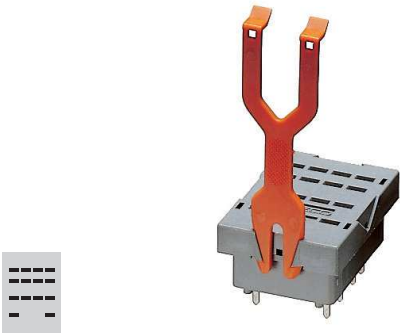
Technical approvals, conformities



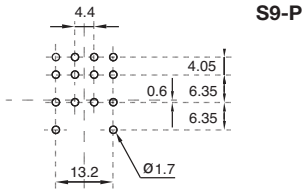
S9-P

PCB Socket for 14-pin Relays

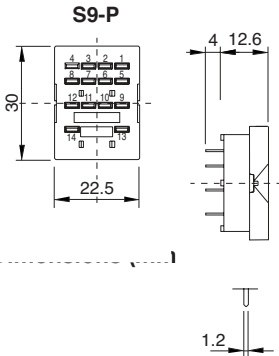
Rated Load	6 A / 150 V
Specifications	
Rated impulse withstand voltage	
– Pin / Pin	1.5 kV rms / 1 min
Ambient temperature operation/storage	-40 ... 60 °C / -40 ... 80 °C (no ice)
Weight	12 g
Included Accessories	
Retaining clip, plastic	CP-07B for C9 / C9x Relays
Optional Accessories	
Retaining clip, plastic	CP-07B (BAG 50 PCS) for C9 / C9x Relays



Printed circuit lay-out (mm)



Dimensions (mm)



 This print socket must be used in pollution degree 2 environment only, hence office, laboratory, household or similar. It is not suitable for industry environment (pollution degree 3).

 Maximum voltage between two separate circuits on neighbouring contacts: 150 V
Not permitted: 24 V DC next to 230 V AC, 230 V AC next to neutral, 230 V AC next to 230 V AC of different phases
Permitted: 230 V AC next to 230 V AC same phase

Technical approvals, conformities



S10**Socket for 5-pin Relays****Rated Load****10 A / 250 V****Specifications**

Rated impulse withstand voltage

– All terminals / DIN rail

5 kV rms / 1 min

– Contact / Terminals

2.5 kV rms / 1 min

– Contact / Coil terminals

5 kV rms / 1 min

Cross-section of connecting wire

– Single-wire

4 mm² / AWG 12 or 2 x 2.5 mm² / AWG 14

– Multi-wire

0.34mm² / 22 - 2.5 mm² / AWG 14

Nominal screw torque

0.7 Nm

Screw Dimensions (mm)

M3 Pozi slot

Mounting

TS-35 or Back Panel Mounting

Ambient temperature operation/storage

-40...60 °C / -40 ... 80 °C (no ice)

Weight

23g

Included Accessories

Retaining Clip, plastic

S10-C for C10 / C10x Relays

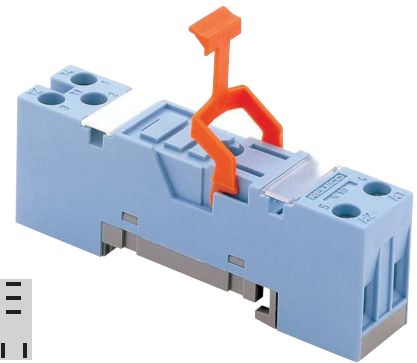
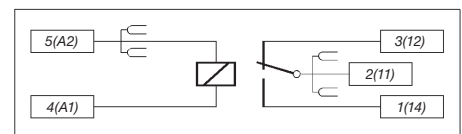
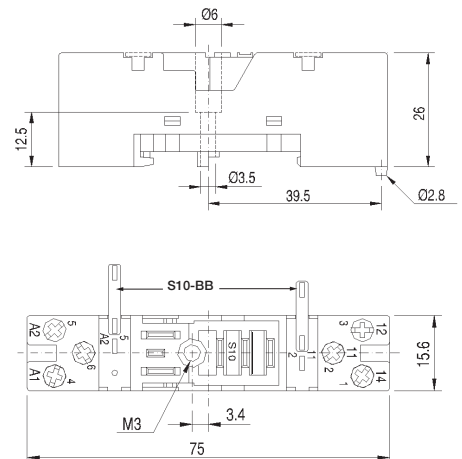
Optional Accessories

Retaining clip, plastic

S10-C / CP-17B (BAG 10 PCS) for C10 / C10x

Bridge bar

S10-BB (BAG 20 PCS)

**Connection diagram****Dimensions (mm)****Technical approvals, conformities**

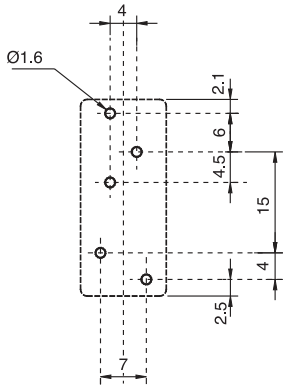
S10-P

PCB Socket for 5-pin Relays

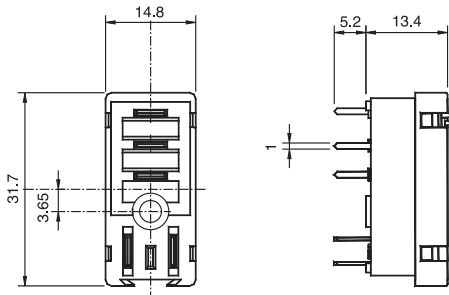
Rated Load	10 A / 250 V
Specifications	
Rated impulse withstand voltage	5 kV rms / 1 min
– Pin / Pin	
Ambient temperature operation/storage	-40 ... 60 °C / -40 ... 80 °C (no ice)
Weight	7g
Included Accessories	
Retaining clip, plastic	



Printed circuit lay-out (mm)



Dimensions (mm)



4.5 5/8-Pin Sockets

Technical approvals, conformities



Socket for 8-pin Relays

Rated Load

5 A / 250 V

Specifications

Rated impulse withstand voltage

– All terminals / DIN rail

5 kV rms / 1 min

– Contact / Terminals

2.5 kV rms / 1 min

– Contacts / Coil terminals

5 kV rms / 1 min

Cross-section of connecting wire

– Single-wire

4 mm² / AWG 12 or 2 x 2.5 mm² / AWG 14

– Multi-wire

0.34mm² / 22 - 2.5 mm² / AWG 14

Nominal screw torque

0.7 Nm

Screw Dimensions (mm)

M3 Pozzi slot

Mounting

TS-35 or Back Panel Mounting

Ambient temperature operation/storage

-40 ... 60 °C / -40 ... 80 °C (no ice)

Weight

31g

Included Accessories

Retaining Clip, plastic

S10-C for C12 / C12x Relays

Optional Accessories

Retaining Clip, plastic

S10-C / CP-17B (BAG 10 PCS)

for C12 / C12x Relays

B20-G (BAG 5 PCS)

B20-R (BAG 5 PCS)

B20-A (BAG 5 PCS)

V10-G (BAG 5 PCS)

V10-RC (BAG 5 PCS)

V10-AC (BAG 5 PCS)

V40-G (BAG 5 PCS)

V40-R (BAG 5 PCS)

V40-AC (BAG 5 PCS)

A2-Connector grey

A2-Connector red

A2-Connector blue

Bridge Bar twofold grey

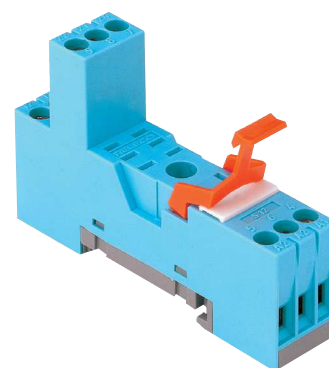
Bridge Bar twofold red

Bridge Bar twofold blue

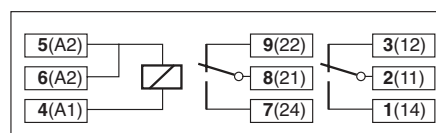
Bridge Bar fourfold grey

Bridge Bar fourfold red

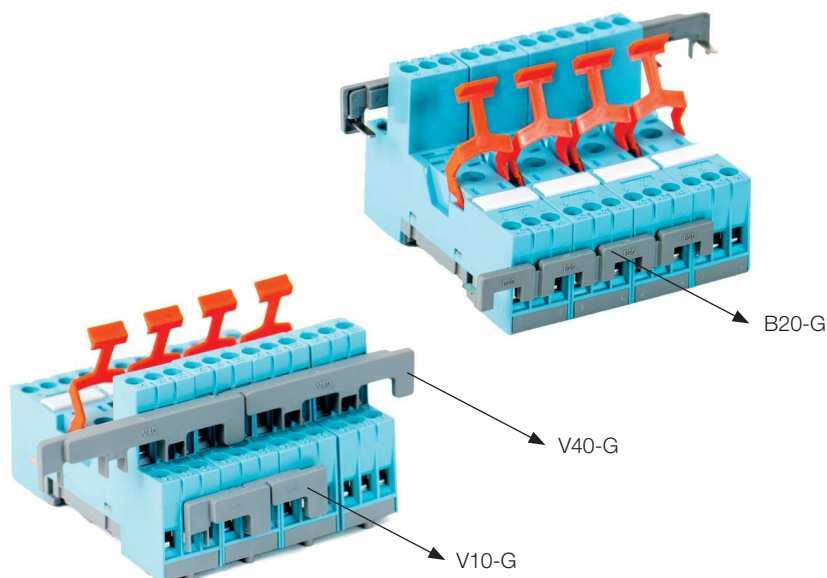
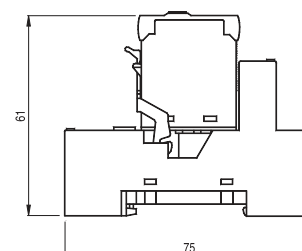
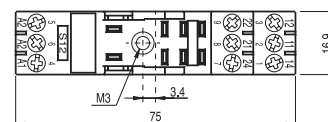
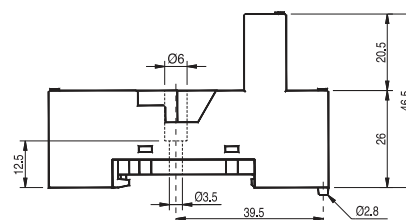
Bridge Bar fourfold blue



Connection diagram



Dimensions (mm)



Technical approvals, conformities



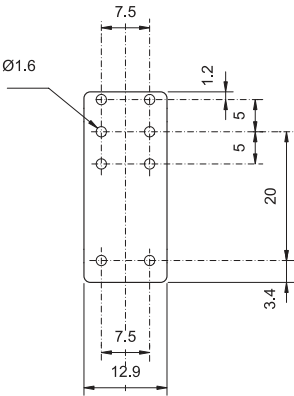
S12-P

PCB Socket for 8-pin Relays

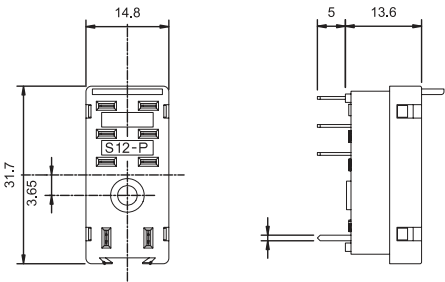
Rated Load	5 A / 250 V
Specifications	
Rated impulse withstand voltage	
– Pin / Pole	3 kV rms / 1 min
– Coil / contact terminals	5 kV rms / 1 min
Weight	7 g
Included Accessories	
Retaining clip, plastic	CP-24B (BAG 10 PCS) for C12 / C12x Relays



Printed circuit lay-out (mm)



Dimensions (mm)



Technical approvals, conformities



S7-PI**8-pin C7 Relay socket | Push-In****General data**

Rated load	10 A, 16 A for 1 pole / 250 V
Dielectric strength	
– All terminals / DIN rail	4 kV rms / 1 min
– Terminal / terminal	4 kV rms / 1 min
– Contact / coil terminal	4 kV rms / 1 min
Cross-section of connecting wire	
– Single-wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
– Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
– Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16
Mounting	TH35 (EN 60715)
Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 60 °C (50 °C for 16 A)
Weight	46 g
Housing material	PA

Included accessories

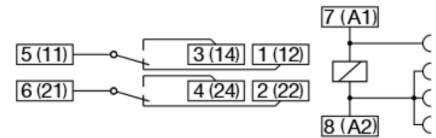
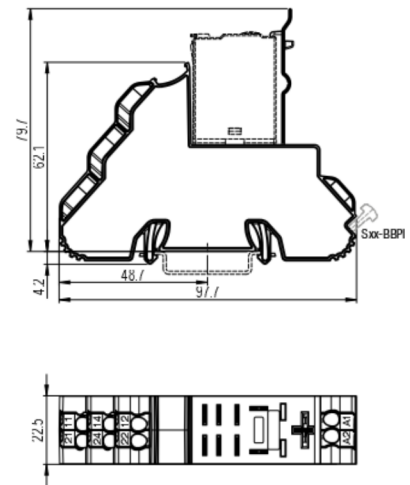
Retaining clip, plastic	S7-CPI for C7 / C7x Relays
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Optional accessories

Retaining clip, plastic	S7-CPI (BAG 10 PCS) for C7 / C7x Relays
Bridge bar	Sxx-BBPI (BAG 20 PCS)
Push-in tool	TM-1
Marking	Label strip BS11-PI (Wago Smart Printer compatible)

Applicable tools

Operation tool	ISO 2380-1 Shape A, width: 2.5 mm
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**fig. 1. Wiring diagram****fig. 2. Dimension (mm)****Technical approvals, conformities**

Standards EN 60664-1

Approvals   

S7-PIR**8-pin R7 Relay socket | Push-In****General data**

Rated load	10 A, 16 A for 1 pole / 250 V
Dielectric strength	
– All terminals / DIN rail	4 kV rms / 1 min
– Terminal / terminal	4 kV rms / 1 min
– Contact / coil terminal	4 kV rms / 1 min
Cross-section of connecting wire	
– Single-wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
– Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
– Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16
Mounting	TH35 (EN 60715)
Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 70 °C (50 °C for 16 A)
Weight	46 g
Housing material	PA

Included accessories

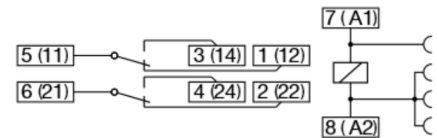
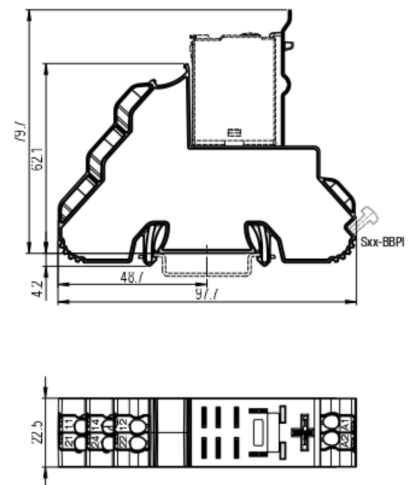
Retaining clip, plastic	S7-CPI for R7 / R7x Relays
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Optional accessories

Retaining clip, plastic	S7-CPI (BAG 10 PCS) for R7 / R7x Relays
Bridge bar	Sxx-BBPI (BAG 20 PCS)
Push-in tool	TM-1
Marking	Label strip BS11-PI (Wago Smart Printer compatible)

Applicable tools

Operation tool	ISO 2380-1 Shape A, width: 2.5 mm
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**fig. 1. Wiring diagram****fig. 2. Dimension (mm)****Technical approvals, conformities**

Standards	EN 60664-1;
Railway standards	EN 50155; EN 45545-2
Approvals	   

S9-PI**14-pin C9 Relay socket | Push-In****General data**

Rated load	6 A / 250 V
Dielectric strength	
– All terminals / DIN rail	4 kV rms / 1 min
– Terminal / terminal	4 kV rms / 1 min
– Contact / coil terminal	4 kV rms / 1 min
Cross-section of connecting wire	
– Single-wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
– Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
– Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16
Mounting	TH35 (EN 60715)
Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 60 °C
Weight	62 g
Housing material	PA

Included accessories

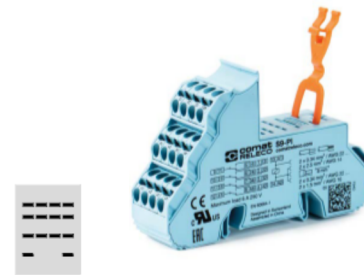
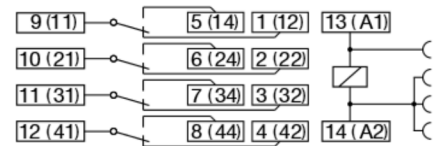
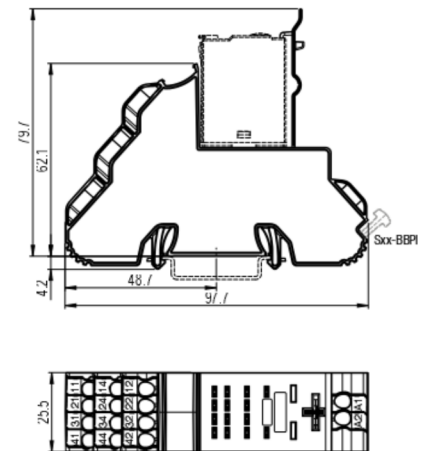
Retaining clip, plastic	S7-CPI for C9 / C9x Relays
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Optional accessories

Retaining clip, plastic	S7-CPI (BAG 10 PCS) for C9 / C9x Relays
Bridge bar	Sxx-BBPI (BAG 20 PCS)
Push-in tool	TM-1
Marking	Label strip BS11-PI (Wago Smart Printer compatible)

Applicable tools

Operation tool	ISO 2380-1 Shape A, width: 2.5 mm
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**fig. 1. Wiring diagram****fig. 2. Dimension (mm)****Technical approvals, conformities**

Standards EN 60664-1

Approvals 

S9-PIR**14-pin R9 Relay socket | Push-In****General data**

Rated load	6 A / 250 V
Dielectric strength	
– All terminals / DIN rail	4 kV rms / 1 min
– Terminal / terminal	4 kV rms / 1 min
– Contact / coil terminal	4 kV rms / 1 min
Cross-section of connecting wire	
– Single-wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
– Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
– Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16
Mounting	TH35 (EN 60715)
Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 70 °C
Weight	62 g
Housing material	PA

Included accessories

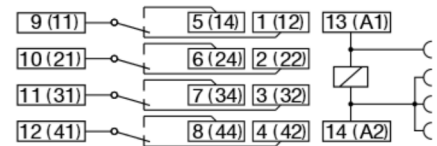
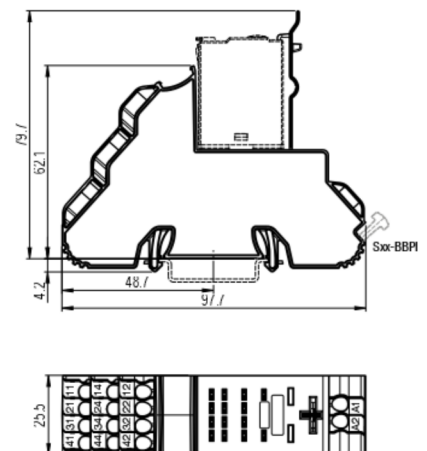
Retaining clip, plastic	S7-CPI for R9 / R9x Relays
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Optional accessories

Retaining clip, plastic	S7-CPI (BAG 10 PCS) for R9 / R9x Relays
Bridge bar	Sxx-BBPI (BAG 20 PCS)
Push-in tool	TM-1
Marking	Label strip BS11-PI (Wago Smart Printer compatible)

Applicable tools

Operation tool	ISO 2380-1 Shape A, width: 2.5 mm
----------------	-----------------------------------

**fig. 1. Wiring diagram****fig. 2. Dimension (mm)****Technical approvals, conformities**

Standards	EN 60664-1;
Railway standards	EN 50155; EN 45545-2

Approvals    

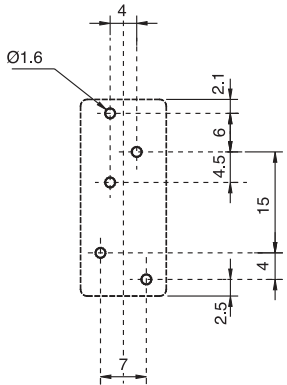
S10-P

PCB Socket for 5-pin Relays

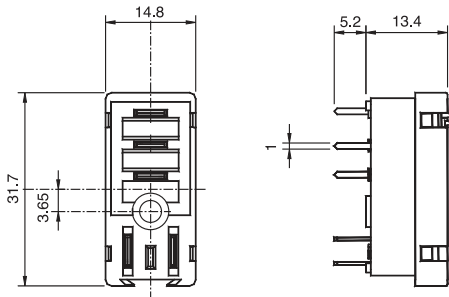
Rated Load	10 A / 250 V
Specifications	
Rated impulse withstand voltage	5 kV rms / 1 min
– Pin / Pin	-40 ... 60 °C / -40 ... 80 °C (no ice)
Ambient temperature operation/storage	
Weight	7g
Included Accessories	
Retaining clip, plastic	



Printed circuit lay-out (mm)



Dimensions (mm)



4.5 5/8-Pin Sockets

Technical approvals, conformities



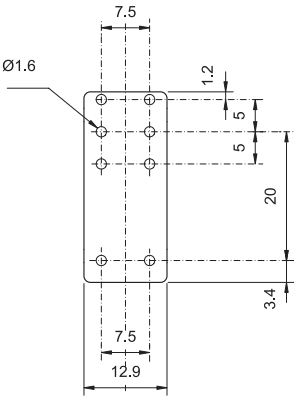
S12-P

PCB Socket for 8-pin Relays

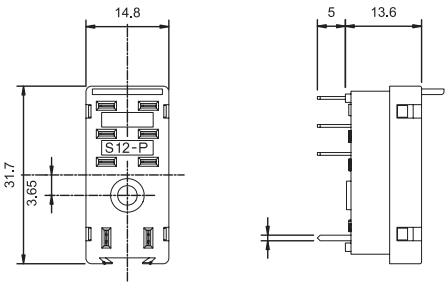
Rated Load	5 A / 250 V
Specifications	
Rated impulse withstand voltage	
– Pin / Pole	3 kV rms / 1 min
– Coil / contact terminals	5 kV rms / 1 min
Weight	7 g
Included Accessories	
Retaining clip, plastic	CP-24B (BAG 10 PCS) for C12 / C12x Relays



Printed circuit lay-out (mm)



Dimensions (mm)



Technical approvals, conformities



S10-PI
5-pin C10 Relay socket | Push-In



General data

Rated load	10 A / 250 V
Dielectric strength	
- All terminals / DIN rail	2.5 kV rms / 1 min
- Terminal / terminal	2.5 kV rms / 1 min
- Contact / coil terminal	2.5 kV rms / 1 min
Cross-section of connecting wire	
- Single wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
- Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
- Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
Mounting	TH35 (EN 60715)
Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 60 °C
Weight	33 g
Housing material	PA

Included Accessories

Retaining clip, steel	S10-CPI
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Optional Accessories

Retaining clip, steel	S10-CPI (BAG 10 PCS)
Bridge A2 for Sx-PI / Sx-PIR	Sxx-BBPI (BAG 20 PCS)
2-way bridge for main circuit terminals	Sxx-BBPI2 (BAG 20 PCS)
4-way bridge for main circuit terminals	Sxx-BBPI4 (BAG 20 PCS)
Multi-operation tool kit for Push-in sockets	OT-PI kit
Marking strip	BS11-PI (50m tape)

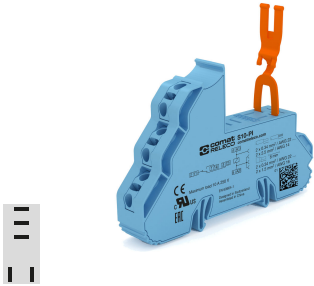


fig. 1. Wiring diagram

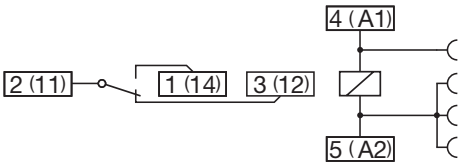
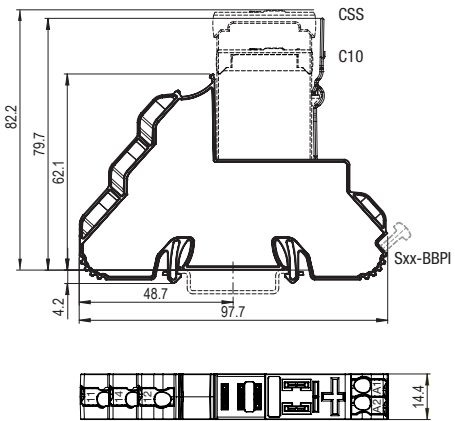


fig. 2. Dimension (mm)



Technical approvals, conformities

Standards EN 60664-1

Approvals

S10-PIR

5-pin socket for R10 relay | Push-In



General data

Rated load	10 A / 250 V
Dielectric strength	
- All terminals / DIN rail	2.5 kV rms / 1 min
- Terminal / terminal	2.5 kV rms / 1 min
- Contact / coil terminal	2.5 kV rms / 1 min
Cross-section of connecting wire	
- Single wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
- Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
- Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
Mounting	TH35 (EN 60715)
Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 70 °C
Weight	33 g
Housing material	PA

Included Accessories

Retaining clip, steel	S10-CPI
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Optional Accessories

Retaining clip, steel	S10-CPI (BAG 10 PCS)
Bridge A2 for Sx-PI / Sx-PIR	Sxx-BBPI (BAG 20 PCS)
2-way bridge for main circuit terminals	Sxx-BBPI2 (BAG 20 PCS)
4-way bridge for main circuit terminals	Sxx-BBPI4 (BAG 20 PCS)
Multi-operation tool kit for Push-in sockets	OT-PI kit
Marking strip	BS11-PI (50m tape)

Applicable tools

Operation tool	ISO 2380-1 Shape A, width: 2.5 mm
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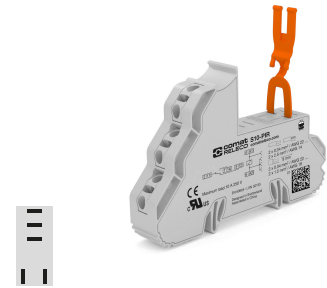


fig. 1. Wiring diagram

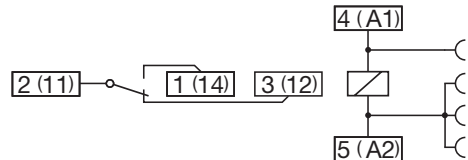
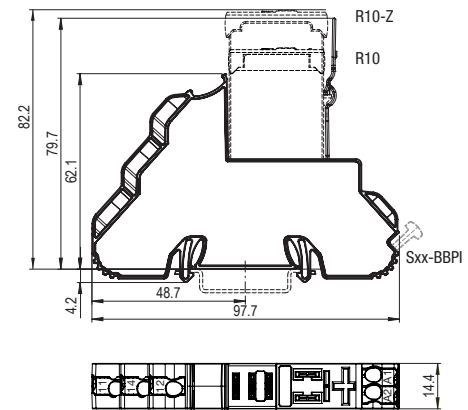


fig. 2. Dimension (mm)



Technical approvals, conformities

Standards	EN 60664-1
Railway	EN 45545-2; EN 50155
Approvals	CE cRU US

S12-PI
8-pin C12 Relay socket | Push-In



Table with 2 columns: General data and specifications. Rows include Rated load (5 A / 250 V), Dielectric strength (2.5 kV rms / 1 min), Cross-section of connecting wire (2 x 0.34 mm² / AWG 22 ... 2 x 2.5 mm² / AWG 14), and Mounting (TH35 (EN 60715)).

Table with 2 columns: Included Accessories and specifications. Row includes Retaining clip, steel (S10-CPI).

Table with 2 columns: Optional Accessories and specifications. Rows include Retaining clip, steel (S10-CPI), Bridge A2 for Sx-PI / Sx-PIR (Sxx-BBPI), 2-way bridge for main circuit terminals (Sxx-BBPI2), 4-way bridge for main circuit terminals (Sxx-BBPI4), Multi-operation tool kit for Push-in sockets (OT-PI kit), and Marking strip (BS11-PI).

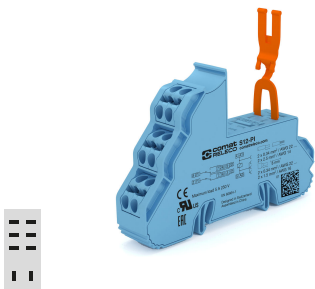


fig. 1. Wiring diagram

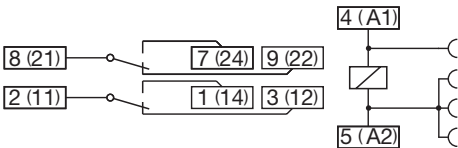
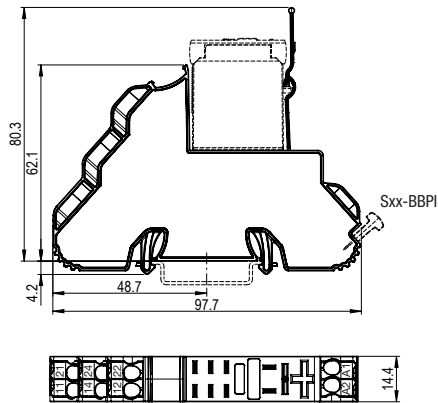


fig. 2. Dimension (mm)



Technical approvals, conformities

Standards EN 60664-1
Approvals CE, c, RU, us, EAC

S12-PIR

8-pin socket for R12 relay | Push-In



General data

Rated load	5 A / 250 V
Dielectric strength	
- All terminals / DIN rail	2.5 kV rms / 1 min
- Terminal / terminal	2.5 kV rms / 1 min
- Contact / coil terminal	2.5 kV rms / 1 min
Cross-section of connecting wire	
- Single wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
	Use copper conductors only
	Max. jacket diameter 4.0 mm
	Stripping length 8 mm
- Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
	Use copper conductors only
	Max. jacket diameter 4.0 mm
	Stripping length 8 mm
- Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16
	Use copper conductors only
	Max. jacket diameter 4.0 mm
	Stripping length 8 mm
Mounting	TH35 (EN 60715)
Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 70 °C
Weight	39 g
Housing material	PA

Optional Accessories

Retaining clip, plastic	S10-CPI (BAG 10 PCS)
Bridge A2 for Sx-PI / Sx-PIR	Sxx-BBPI (BAG 20 PCS)
2-pole bridge bar	Sxx-BBPI2 (BAG 20 PCS)
4-pole bridge bar for main circuit terminals	Sxx-BBPI4 (BAG 20 PCS)
Multi-operation tool kit for Push-in sockets	OT-PI kit
Marking strip	BS11-PI (50m tape)

Applicable tools

Operation tool	ISO 2380-1 Shape A, width: 2.5 mm
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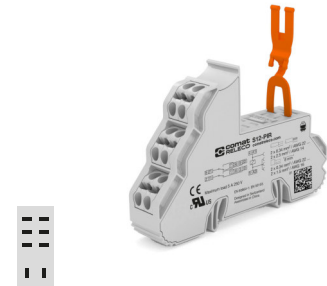


fig. 1. Wiring diagram

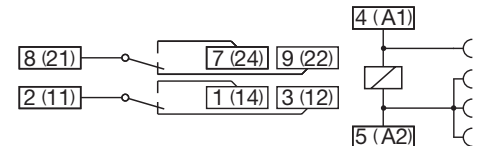
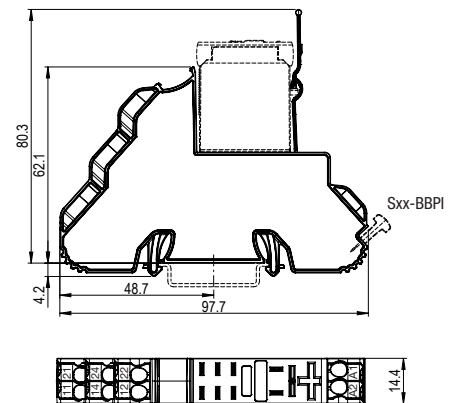


fig. 2. Dimension (mm)



Technical approvals, conformities

Standards EN 60664-1
 Railway EN 45545-2; EN 50155

Approvals

S5-M**Socket for 11-pin Relays**

Rated Load	16 A / 400 V
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Specifications

Rated impulse withstand voltage

– All terminals / DIN rail

4 kV rms / 1 min

– Terminal / Terminal

4 kV rms / 1 min

Cross-section of connecting wire

– Single-wire

1 x 6 mm² / AWG 10, 2 x 2.5 mm² / AWG 14

– Multi wire

1 x 6 mm² / AWG 10, 2 x 1.5 mm² / AWG 16

Nominal screw torque

1 Nm

Screw Dimensions (mm)

M3.5 Pozi slot

Mounting

TS-35 or Back Panel Mounting

Ambient temperature operation / storage

-40 ... 60° C / -40 ... 80° C (no ice)

Weight

92 g

Integrated Accessories

A2-Connector

C-A2

Retaining clip, plastic

S5M-CP for C5 / C5x Relays

A1-, B1-Connector

SC-3

Optional Accessories

Retaining Clip, steel

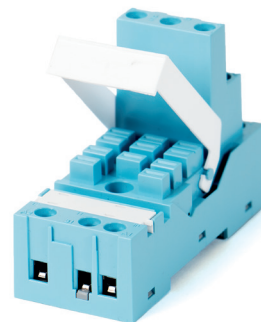
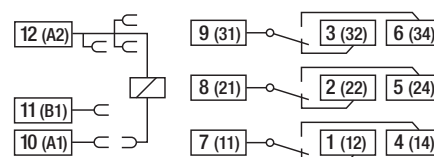
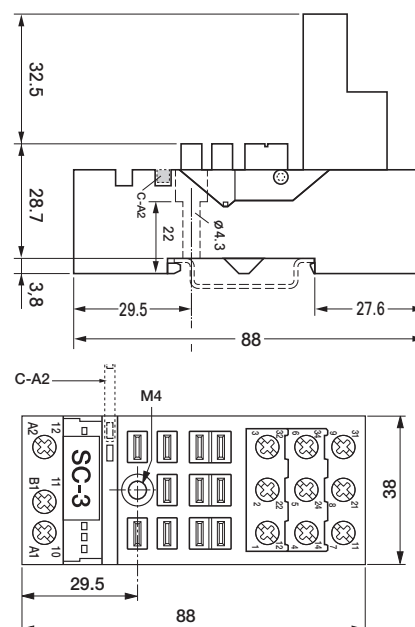
HF-32 (BAG 10 PCS) for C5 / C5x Relays

A2-Connector

C-A2 (BAG 5 PCS), C-A2 (BAG 50 PCS)

A1-, B1-Connector

SC-3 (BAG 10 PCS)

**Connection diagram****Dimensions (mm)****Technical approvals, conformities**