

# S7-PIR

## 8-pin socket for R7 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 <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / 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 <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
- Multi wire (crimped)	2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 1.5 mm <sup>2</sup> / 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 (50 °C for 16 A)
Weight	46 g
Housing material	PA

### Included Accessories

Retaining clip, steel	S7-CPI
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### Optional Accessories

Retaining clip, steel	S7-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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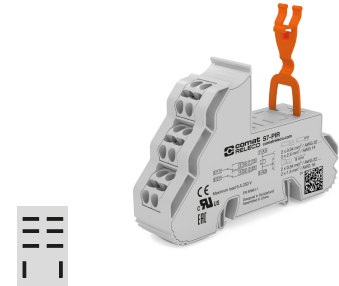


fig. 1. Wiring diagram

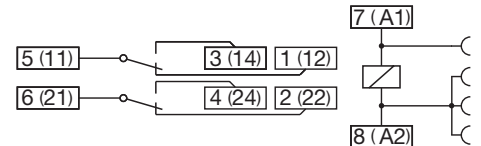
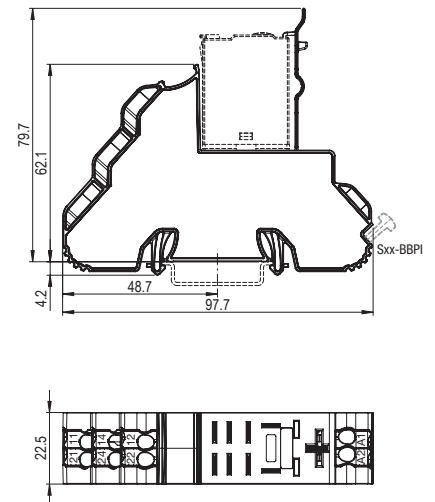


fig. 2. Dimension (mm)



### Technical approvals, conformities

Standards	EN 60664-1
Railway	EN 45545-2; EN 50124-1; EN 50155

Approvals

# S9-PIR

## 14-pin socket for R9 relay | Push-In



### General data

Rated load	6 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 <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / 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 <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
- Multi wire (crimped)	2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 1.5 mm <sup>2</sup> / 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	62 g
Housing material	PA

### Included Accessories

Retaining clip, steel	S7-CPI
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### Optional Accessories

Retaining clip, steel	S7-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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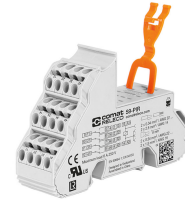


fig. 1. Wiring diagram

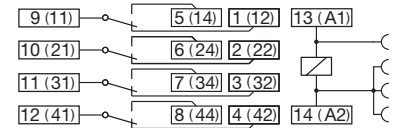
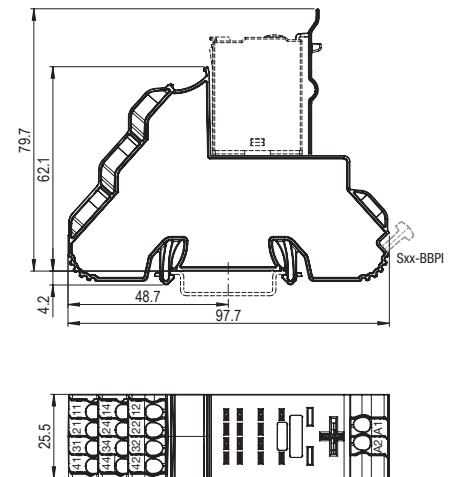


fig. 2. Dimension (mm)



### Technical approvals, conformities

Standards	EN 60664-1
Railway	EN 45545-2; EN-50124-1; EN 50155
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 <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / 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 <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
- Multi wire (crimped)	2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 1.5 mm <sup>2</sup> / 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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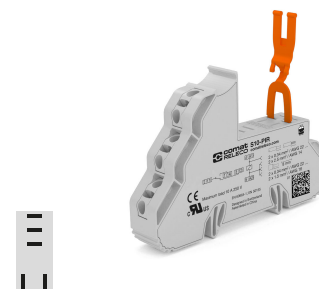


fig. 1. Wiring diagram

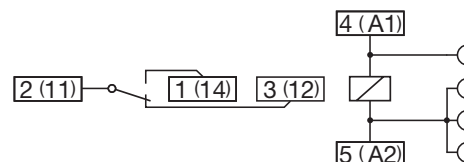
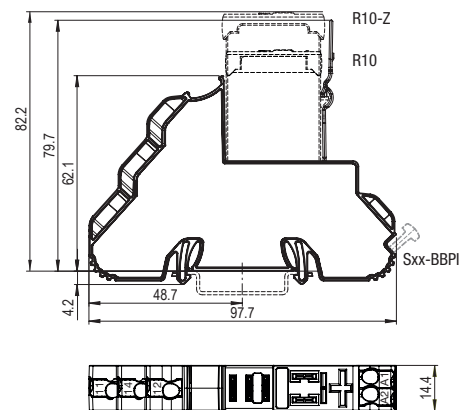


fig. 2. Dimension (mm)



## Technical approvals, conformities

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

Approvals

# 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 <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / 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 <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14 Use copper conductors only Max. jacket diameter 4.0 mm Stripping length 8 mm
- Multi wire (crimped)	2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 1.5 mm <sup>2</sup> / 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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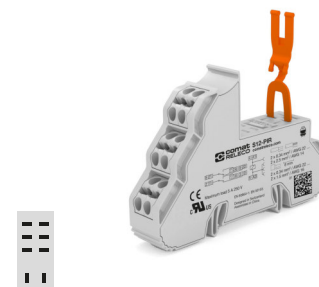


fig. 1. Wiring diagram

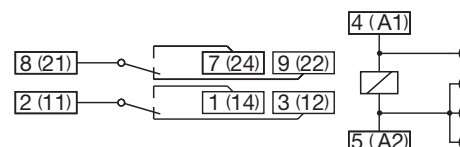
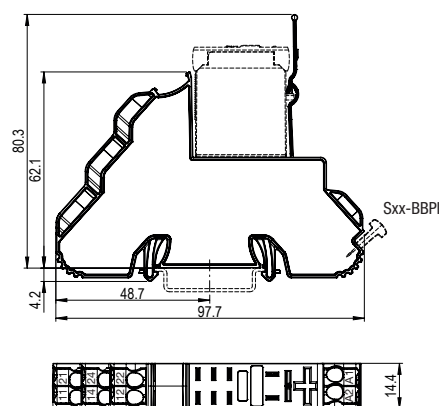


fig. 2. Dimension (mm)



### Technical approvals, conformities

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

Approvals