

## RS-SERIES RS32 24 VDC SAFETY

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 Germany  
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Clip-on RS 30. 31. 32 relay bases are available in widths from 11.2 to 25 mm, depending on the type.

The RSM relay multiplexers are available as 4, 8 and 16-way modules. To reduce the wiring work, the DC variants are fitted with a common plus or minus potential. The optional IEC603-1 plug-in connector enables the connection of pre-assembled lines.

The screw connection system is used to connect the conductor with a rated cross-section of 2.5 mm<sup>2</sup>.

### General ordering data

Type	RS32 24 VDC SAFETY
Order No.	<a href="#">8872160000</a>
Version	RS-SERIES, Relay module, No. of contacts: 2 CO contact AgNi 90/10, Rated control voltage: 24 V DC ±10 %, Continuous current: 4 A, Screw connection
GTIN (EAN)	4032248605309
Qty.	10 pc(s).

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**Technical data**
**Dimensions and weights**

Width	25 mm	Width (inches)	0.984 inch
Height	70 mm	Height (inches)	2.756 inch
Depth	63.5 mm	Depth (inches)	2.5 inch
Net weight	54.7 g		

**Temperatures**

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-25 °C...40 °C
Storage temperature	-40 °C...85 °C		

**Input**

Rated control voltage	24 V DC ± 10 %	Rated current DC	21 mA
Power rating	0.5 W	Pull-in/drop-out voltage, typ.	16 V / 10 V DC
Pull-in/drop-out current, typ.	12.5 mA / 7 mA DC	Status indicator	red LED

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Continuous current	4 A	AC switching capacity (resistive), max.	2000 VA
Min. switching power	10 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

**Contact data**

Contact type	2 CO contact (AgNi 90/10)	Mechanical service life	20 x 10 <sup>6</sup> switching cycles
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**General data**

Version	soldered relay	Mounting rail	TS 32, TS 35
Test button	No	Mechanical switch position indicator	No

**Insulation coordination**

Rated voltage	300 V	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Creepage and clearance distance input - output	≥ 4 mm	Impulse withstand voltage	4 kV

**Further details of approvals / standards**

Standards	DIN EN 50178, DIN EN 50205
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**Connection data**

Wire connection method	Screw connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	2.5 mm <sup>2</sup>	Clamping range, rated connection, min.	0.5 mm <sup>2</sup>
Clamping range, rated connection, max.	4 mm <sup>2</sup>		

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**Technical data****Classifications**

ETIM 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	EC001437
UNSPSC	30-21-18-01	eClass 5.1	27-37-16-01
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

**Product information**

Descriptive text technical data \* According to EN50205, only the use of  
 1 NO contact/1 NC contact is approved for safety circuits.

**Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of  
 Conformity [DE\\_PA\\_5600\\_160311\\_001.pdf](#)  
 Engineering Data [EPLAN, WSCAD](#)

**Data sheet**

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**Drawings**

**Circuit diagram**

