Data sheet

BRS 24VDC 1CO

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



General ordering data

Version	QCR-SERIES, Relay module, Number of contacts: 1, x 1 CO Contact AgSnO, Rated control voltage: 24 V DC, Continuous current: 6 A, Test button available: No
Order No.	3162350000
Type	BRS 24VDC 1CO
GTIN (EAN)	4099987790000
Qty.	20 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	58 mm	Depth (inches)	2.2835 inch
Height	88 mm	Height (inches)	3.4646 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Net weight	25 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...60 °C
Operating temperature		Humidity	5-95% relative humidity, Tu = 40°C, without condensation

Control side

Rated control voltage	24 V DC	Rated current DC	8 mA
Status indicator	Green LED		

Load side

Rated switching voltage	24 VDC ±20%	Max. switching frequency at rated load	0.1 Hz
Max. switching current	6 A	Max. switching voltage, AC	250 V
Max. switching voltage, DC	30 V	Switch-on delay	≤ 8 ms
Switch-off delay	≤ 4 ms	Min. switching current	100 mA
Contact type	1 x 1 CO Contact (AgSnO)	Mechanical service life	10 x 106 switching cycles

General data

Operating altitude	≤ 2000 m	Mounting rail	TS 35
Test button available	No	Colour	black
UL 94 flammability rating	V-0		

Insulation coordination

Insulation coordination	Surge voltage category	III
Insulation coordination according to	EN/IEC 61010-1	
Rated voltage	24 V	
Pollution severity	2	
Surge voltage category	III	
Dielectric strength for control side - load side	4 kVeff / 1 min	
Dielectric strength of open contact	1 kVeff / 1 min	
Impulse withstand voltage at input and output	6 kV (1.2/50 µs)	
Protection degree	IP20	

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Further details of approvals / standards

Standards	EN/IEC 61010-1

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		