

**WAVESERIES
WRS2 24VUC 3A**

Weidmüller Interface GmbH & Co. KG
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The WAVEBOX enclosure just 22.5 mm wide is ideal for the innovative relays of the WAVESERIES. Plug-in electronics, connections and cross-connections ease installation, setup and servicing on the customer's premises.

The WAVESERIES relays are available with different input voltages and contact configurations. International approvals permit their use worldwide.

General ordering data

Order No.	8418330000
Part designation	WRS2 24VUC 3A
Version	WAVESERIES, Relays, No. of contacts: 3, NO contact, Rated control voltage: 24 V UC ±10 %, Screw connection
GTIN (EAN)	4032248025930
Qty.	1 pc(s).

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Technical data

Dimensions

Length	92.4 mm	Width	22.5 mm
Height	112.4 mm		

Temperature

Ambient temperature (operational)	-25 °C...+50 °C	Storage temperature	-40 °C...+60 °C
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Input

Rated voltage	300 V	Rated control voltage	24 V UC ±10 %
Response / drop-out voltage AC coil	12.8 V / 5 V	Pull-in (sparkover) / drop-out voltage DC coil	12.8 V / 5 V
Rated current AC	10.4 mA	Rated current DC	10.5 mA
Pull-in / drop-out current, AC coil	6.6 mA / 2.1 mA	Pull-in / drop-out current, DC coil	6.5 mA / 1.4 mA
Power rating	0.3VA // 0.25W	Status indicator	Green LED

Output

Continuous current	4 A	Max. switching current	4 A
Max. switching frequency at rated load	0.1 Hz	Sparkover time / Drop-out time	5 ms / 21 ms
Switch-off delay	typical. 21 ms	Switch-on delay	Typ. 5 ms
Switching voltage AC, max.	250 V	making current	6 A
max. switching capacity	1500 VA (at 20° ambient temperature)	min. switching capacity	12 V / 10 mA

Contact data

Contact design	NO contact	No. of contacts	3
Contact material	AgSnO2	Mechanical service life	20 x 10 ⁶ switching cycles
Electrical service life of AC coil	1x10 ⁵ switching cycles	Contact resistance	Max. 100 mΩ at 1 A/ 24 V DC

Rated data

Conductor connection system	Screw connection	DIN Rail compatibility	TS 35
Humidity	40°C / 93% rel. humidity, no condensation		

Insulation coordination (EN 50 178)

Clearance and creepage distances for control/load side	≥ 5.5 mm	Dielectric strength for control side - load side	4 kV _{eff} 1s
Impulse withstand voltage	6 kV (1.2/50 μs)	Overvoltage category	III
Pollution severity	2	Protective separation acc. to VDE 0106 part 101	Yes
Rated voltage	300 V		

Other technical data

Free-wheel diode	No	Reverse polarity protection	not available
Status indicator	Green LED	Version	Relay coupler

Approvals

Approvals institutes	CSA; CURUS; GOSTME25; CE
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Datasheet**WAVESERIES
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Technical data**Classifications**

ETIM 2.0	EC001437	ETIM 3.0	EC001437
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01