

**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.	<a href="#">8418330000</a>
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 <sup>6</sup> switching cycles
Electrical service life of AC coil	1x10 <sup>5</sup> 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 <sub>eff</sub> 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