

**WAVESERIES**  
**WRS2 115VUC/230VAC 1A1R**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com



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="#">8418290000</a>
Part designation	WRS2 115VUC/230VAC 1A1R
Version	WAVESERIES, Relays, No. of contacts: 1, NC and NO contact, Rated control voltage: 115 V UC ±10 %, 230 V AC ±10 %, , , Screw connection
GTIN (EAN)	4032248025893
Qty.	1 pc(s).

**WAVESERIES**  
**WRS2 115VUC/230VAC 1A1R**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
www.weidmueller.com

**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
-----------------------------------	-----------------	---------------------	-----------------

**Input**

Rated voltage	300 V	Rated control voltage	115 V UC ±10 % 230 V AC ±10 %
Response / drop-out voltage AC coil	58 V / 22 V // 110 V / 40 V	Pull-in (sparkover) / drop-out voltage DC coil	54 V / 20 V (115 V DC)
Rated current AC	Approx. 10 mA	Rated current DC	9 mA (115 V DC)
Pull-in / drop-out current, AC coil	4.8 mA / 1.7 mA // 5 mA / 2 mA	Pull-in / drop-out current, DC coil	4 mA/1.6 mA
Power rating	1 VA / 0.9 W // 2.5 VA	Status indicator	Green LED

**Output**

Continuous current	5 A	Max. switching current	5 A
Max. switching frequency at rated load	0.1 Hz	Sparkover time / Drop-out time	13 ms / 11 ms
Switch-off delay	Approx. 11 ms	Switch-on delay	approx. 13 ms
Switching voltage AC, max.	250 V	making current	8 A
max. switching capacity	1250 VA (at 20°C ambient temperature)	min. switching capacity	100 mA / 5 V

**Contact data**

Contact design	NC and NO contact	No. of contacts	1
Contact material	AgSnO2	Mechanical service life	5 x 10 <sup>7</sup> switching cycles
Electrical service life of AC coil	1x10 <sup>5</sup> switching cycles	Contact resistance	Max. 30 mΩ / max. 100 mΩ at 1 A/ 6 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	≥ 8 mm	Dielectric strength for control side - load side	4 kV <sub>eff</sub> 1s
Dielectric strength to mounting rail	4 kV <sub>eff</sub> / 1 min.	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

**Datasheet****WAVESERIES  
WRS2 115VUC/230VAC 1A1R**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
[www.weidmueller.com](http://www.weidmueller.com)

**Technical data****Approvals**

Approvals institutes CSA; CURUS; GOSTME25;  
CE

**Classifications**

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

**Datasheet**

**WAVESERIES**  
**WRS2 115VUC/230VAC 1A1R**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com

**Drawings**

**Electric symbol**

