

WAVESERIES
WRS2 115VUC/230VAC 2A

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. | 8418260000 |
| Part designation | WRS2 115VUC/230VAC 2A |
| Version | WAVESERIES, Relays, No. of contacts: 2, NO contact, Rated control voltage: 115 V UC ±10 %, 230 V AC ±10 %, , , Screw connection |
| GTIN (EAN) | 4032248016907 |
| Qty. | 1 pc(s). |

WAVESERIES
WRS2 115VUC/230VAC 2A

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 V // 5 mA / 2 mA | Pull-in / drop-out current, DC coil | 4 mA / 2 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 | 5 ms / 6 ms |
| Switch-off delay | approx. 6 ms | Switch-on delay | < 5 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 DC |

Contact data

| | | | |
|----------------------------------|------------------------------------|-------------------------|--|
| Contact design | NO contact | No. of contacts | 2 |
| Contact material | AgSnO2 | Mechanical service life | 5 x 10 ⁷ switching cycles |
| Electrical service life, DC coil | 1x10 ⁵ 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 _{eff} 1s |
| Dielectric strength to mounting rail | 4 kV _{eff} / 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 2A**

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**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 |

WAVESERIES
WRS2 115VUC/230VAC 2A

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

Electric symbol

