

**Power Solid-State Relais
PSSR 230VAC/1PH AC 20A****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



- Load circuit: single-phase 12...275 VAC / 25 A or 24...600 VAC / 35 A
- No-voltage switching
- Ready-to-use: snap on - connect - ready
- Wear-free and silent switching
- High capacity for handling surge currents (I^2t) up to 6000 A²s (10 ms)
- Plug-in monitoring module

General ordering data

Type	PSSR 230VAC/1PH AC 20A
Order No.	8952120000
Version	Power Solid-State Relais, Rated control voltage: 110...240 V DC / 150...240 V AC, Rated switching voltage: 12...275 V AC, Rated switching current: 20 A @ 55 °C
GTIN (EAN)	4032248743247
Qty.	1 pc(s).

**Power Solid-State Relais
PSSR 230VAC/1PH AC 20A**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data
Dimensions and weights

Width	22.5 mm	Height	98 mm
Depth	116.1 mm	Net weight	259 g

Temperatures

Humidity	40...85 % (indoor) no condensation	Operating temperature	-30 °C...+80 °C
Storage temperature	-30 °C...+100 °C		

control side

Rated control voltage	110...240 V DC / 150...240 V AC	Power rating	0.3...1.7 W
Input frequency	max. 10 Hz	Cut-in (switch-on) voltage	10 V DC / 150 V AC
Dropout voltage	1 V	Protective circuit, control side	RC element, Varistor
Status display on control side	Green LED		

Load side

Solid-state type	Triac (zero-cross switch)	Rated switching voltage	12...275 V AC
Continuous current	20 A	Rated switching current	20 A @ 55 °C
Pulse load, max. current	250 A (10 ms)	Switch-on delay	30 ms
Switch-off delay	30 ms	Load category	AC 53: 5 A
Leakage current	< 1 mA	Protective circuit, load side	Varistor, RC element
Voltage drop at max. load	0.85 V	Short-circuit-proof	No
Cartridge fuse	FERRAZ gRC 25 A 14x51 165 A ² s		

General data

Solid-state type	Triac (zero-cross switch)	No. of poles	1
Humidity	40...85 % (indoor) no condensation	Standards	DIN EN 60950, IEC 60947-4-3

Insulation coordination

Rated voltage	300 V	Clearance and creepage distances for control side - load side	≥ 6.4 mm
Impulse withstand voltage	4 kV (1.2/50 µs)	Pollution severity	2
Surge voltage category	III		

Further details of approvals

Standards	DIN EN 60950, IEC 60947-4-3
-----------	-----------------------------

connection data (control side)

Wire connection method (control side)	Screw connection	Nom. rated connection clamping range (control side)	1.5 mm ²
Min. rated connection clamping range (control side)	0.75 mm ²	Max. rated connection clamping range (control side)	2.5 mm ²
Min. tightening torque (control side)	0.4 Nm	Max. tightening torque (control side)	0.6 Nm

Power Solid-State Relais PSSR 230VAC/1PH AC 20A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

connection data (load side)

Wire connection method (load side)	Screw connection	Nom. rated connection clamping range (load side)	16 mm ²
Min. rated connection clamping range (load side)	1.5 mm ²	Max. rated connection clamping range (load side)	16 mm ²
Min. tightening torque (load side)	1.2 Nm	Max. tightening torque (load side)	1.8 Nm

Classifications

ETIM 3.0	EC001504	UNSPSC	30-21-18-01
eClass 5.1	27-27-09-90	eClass 6.2	27-37-16-01
eClass 7.1	27-37-16-01		

Product information

Descriptive text ordering data	Accessories and dimensioned drawings: refer to the Power Solid-state Relay Accessories page.
--------------------------------	--

Approvals

Approvals



Downloads

Declaration of Conformity	K299_02_08.pdf
EPLAN	8952120000.ema

Power Solid-State Relais PSSR 230VAC/1PH AC 20A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Electric symbol

