

## Power Solid-State Relais PSSR 230VAC/3PH AC 20A

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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 Fon: +49 5231 14-0  
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- Load circuit: triple phase 24...520 VAC / 15 A
- Ready-to-use: simply clip on and connect
- Silent, wear-free switching
- High surge current rating  $I^2t = 1500 \text{ A}^2\text{s}$  (10 ms)

### General ordering data

Order No.	<a href="#">8952140000</a>
Type	PSSR 230VAC/3PH AC 20A
Version	Power Solid-State Relais, Rated control voltage: 90...240 V AC / DC, Rated switching voltage: 24...520 V AC, Rated switching current: 20 A @ 55 °C, Screw connection
GTIN (EAN)	4032248743261
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Width	89.6 mm	Height	98 mm
Depth	126.2 mm	Net weight	976 g

**Temperatures**

Operating temperature	-40 °C...+80 °C	Storage temperature	-40 °C...+100 °C
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**Connection data**

Clamping range, rated connection	10 mm <sup>2</sup>	Clamping range, rated connection, min.	1.5 mm <sup>2</sup>
Clamping range, rated connection, max.	10 mm <sup>2</sup>		

**Control side**

Rated control voltage	90...240 V AC / DC	Power rating	0.4...2.6 W
Input frequency	max. 10 Hz	Cut-in (switch-on) voltage	90 V AC/DC
Dropout voltage	15 V	Protective circuit, control side	RC element, Varistor
Status display on control side	Green LED		

**Load side**

Rated switching voltage	24...520 V AC	Continuous current	20 A
Rated switching current	20 A @ 55 °C	Pulse load, max. current	550 A (10 ms)
Switch-on delay	30 ms	Switch-off delay	30 ms
Load category	AC 53: 3 x 12 A	Leakage current	< 1 mA
Protective circuit, load side	Varistor, RC element	Voltage drop at max. load	1.4 V
Short-circuit-proof	No	Cartridge fuse	FERRAZ gRC 63 A 22x58 1353 A <sup>2</sup> s

**General data**

Solid-state type	Triac (no-voltage switch)	No. of poles	3
Conductor connection system	Screw connection	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	Pollution severity	2
Surge voltage category	III		

**Further details of approvals**

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

ETIM 3.0	EC001504	UNSPSC	30-21-18-01
eClass 5.1	27-27-09-90	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

**Data sheet...****Power Solid-State Relais  
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**Technical data****Approvals**

Approvals

**Downloads**

Package insert	<a href="#">4350020000.pdf</a>
Declaration of Conformity	<a href="#">K299_02_08.pdf</a>
EPLAN	<a href="#">8952140000.ema</a>
<a href="#">3-D model</a>	

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**Drawings**

**Electric symbol**

