



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Power Solid-State Relais PSSR 230VAC/3PH 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: 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.	8952140000
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 ²	Clamping range, rated connection, min.	1.5 mm ²
Clamping range, rated connection, max.	10 mm ²		

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 ² 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	4350020000.pdf
Declaration of Conformity	K299_02_08.pdf
EPLAN	8952140000.ema
3-D model	

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Drawings

Electric symbol

