

Power Solid-State Relais PSSR 24VDC/3PH AC 20A

Weidmüller Interface GmbH & Co. KG
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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.	8952130000
Type	PSSR 24VDC/3PH AC 20A
Version	Power Solid-State Relais, Rated control voltage: 8...30 V DC / 10...30 V AC, Rated switching voltage: 24...520 V AC, Rated switching current: 20 A @ 55 °C, Screw connection
GTIN (EAN)	4032248743254
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	982 g

Temperatures

Operating temperature	-40 °C...+80 °C	Storage temperature	-40 °C...+100 °C
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Probability of failure

MTTF	228 Years
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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	8...30 V DC / 10...30 V AC	Power rating	0.1...2 W
Input frequency	max. 10 Hz	Cut-in (switch-on) voltage	8 V DC / 10 V AC
Dropout voltage	4 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		

Approvals

Approvals



Downloads

Package insert	4350020000.pdf
Declaration of Conformity	K299_02_08.pdf
EPLAN	8952130000.ema
3-D model	

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Drawings**Electric symbol**