

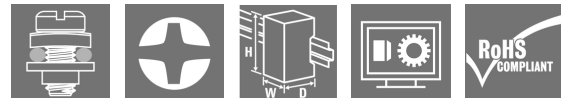
PSSR 230VAC/3PH AC 20A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

- Load circuit: 3-phase 24...520 V AC / 20 A
- Ready-to-use: snap on - connect - ready
- Wear-free and silent switching
- High capacity for handling surge currents $I^2t = 1500$ A²s (10 ms)

General ordering data

Version	Power Solid-State Relais, Solid state contactor, 3 NO contact (Triac (zero-cross switch)), Rated control voltage: 90...240 V AC / DC , Rated switching voltage: 24...520 V AC, Continuous current: 20 A @ 55 °C, 12 A (AC 53), Screw connection
Order No.	8952140000
Type	PSSR 230VAC/3PH AC 20A
GTIN (EAN)	4032248743261
Qty.	1 pc(s).

Creation date March 30, 2021 12:00:28 AM CEST

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Technical data**Dimensions and weights**

Depth	126.2 mm	Depth (inches)	4.968 inch
Height	98 mm	Height (inches)	3.858 inch
Net weight	976 g	Width	89.6 mm
Width (inches)	3.528 inch		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E223474
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Control side

Nominal control current	4.5 mA at 90 V AC/DC, 5.75 mA at 115 V AC/DC, 11 mA at 240 V AC/DC	Power rating	0.4...2.6 W
Protective circuit	RC element, Varistor	Pull-in/drop-out voltage, typ.	90 V / 15 V AC 90 V / 15 V DC
Rated control voltage	90...240 V UC	Status indicator	Green LED

Load side

Continuous current	20 A @ 55 °C; 12 A (AC 53)	Inrush current	550 A
Leakage current	< 1 mA	Load category	AC 53: 3 x 12 A
Load limit integral (I ² t) <10 ms	1,500 A ² s	Min. switching current	5 mA
Output voltage frequency range	50 / 60 Hz	Protective circuit, load side	Varistor, RC element
Pulse load, max. current	300 A (10 ms), non-recurrent	Rated switching voltage	24...520 V AC
Short-circuit-proof	No	Switch-off delay	30 ms
Switch-on delay	30 ms	Voltage drop at max. load	1.4 V
max. switching frequency (AC control voltage)	10 Hz	max. switching frequency (DC control voltage)	10 Hz

Contact data

Contact type	3 NO contact (Triac (zero-cross switch))
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General data

Version	3-phase with heat sink mounted	Rail	TS 35
Colour	black		

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Technical data

Insulation coordination

Clearance and creepage distances for control side - load side $\geq 6.4 \text{ mm}$ Dielectric strength for control side - load side $4 \text{ kV}_{\text{eff}}$

Pollution severity 2

Surge voltage category III

Dielectric strength of load side - housing $3.3 \text{ kV}_{\text{eff}}$ Impulse withstand voltage $4 \text{ kV} (1.2/50 \mu\text{s})$

Protection degree IP20

Further details of approvals / standards

Standards	DIN EN 60950, IEC 60947-4-3	Certificate No. (cURus)	E223474
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Connection data (control side)

Nom. rated connection clamping range (control side) 1.5 mm^2 Max. rated connection clamping range (control side) 2.5 mm^2

Max. tightening torque (control side) 2 Nm

Min. rated connection clamping range (control side) 0.75 mm^2

Min. tightening torque (control side) 1.2 Nm

Blade size (control side) Gr. PZ2

Connection data (load side)

Nom. rated connection clamping range (load side) 10 mm^2 Max. rated connection clamping range (load side) 10 mm^2

Max. tightening torque (load side) 3 Nm

Min. rated connection clamping range (load side) 1.5 mm^2

Min. tightening torque (load side) 2 Nm

Blade size (load side) Gr. PZ2

Connection data

Wire connection method Screw connection

Classifications

ETIM 6.0	EC002055	ETIM 7.0	EC002055
ECLASS 9.0	27-37-10-14	ECLASS 9.1	27-37-10-14
ECLASS 10.0	27-37-10-14	ECLASS 11.0	27-37-10-14

Approvals

Approvals



ROHS Conform

UL File Number Search E223474

Downloads

Approval/Certificate/Document of Conformity [EU Konformitätserklärung / EU Declaration of Conformity](#)Engineering Data [STEP](#)Engineering Data [EPLAN, WSCAD](#)User Documentation [Beipackzettel / Package Insert – multilingual](#)

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

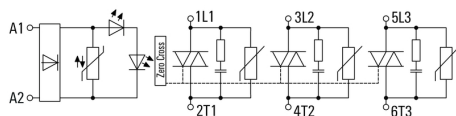
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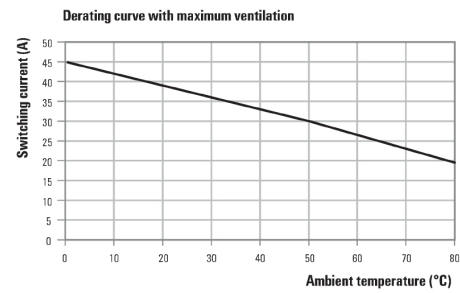
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Drawings

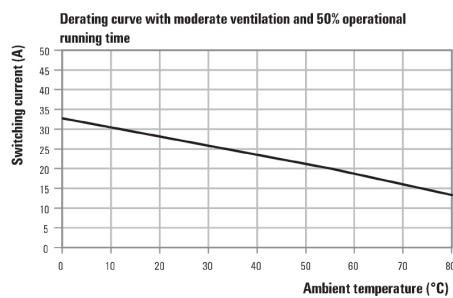
Wiring diagram



Graph

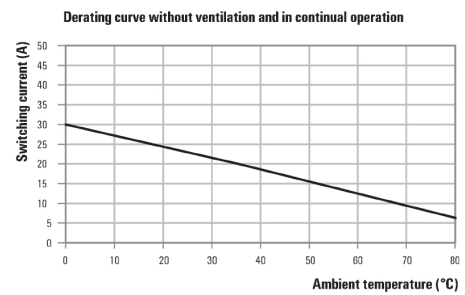


Graph



DC load limit curve

Graph



DC load limit curve

Dimensional drawing

