

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Switch high 3-phase AC loads up to 600 V AC and 20 A completely wear-free, reliable and noiseless.

- Load circuit 3-phase: 42...600 V AC / 20 A
- Compact design with a width from 54 mm
- Ready to use with integrated heat sink and mounting rail base for mounting on DIN rail TS35
- Short circuit protection with circuit breakers possible
- Output connections ring lug suitable

General ordering data

Version	Power Solid-State Relais, Solid state contactor, 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).
Delivery status	This article will no longer be available in the future.
Available until	2024-02-23

Creation date May 23, 2024 1:27:59 PM CEST

Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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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
Width	89.6 mm	Width (inches)	3.528 inch
Net weight	949 g		

Temperatures

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

Rated data UL

Certificate No. (cURus)	E223474
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Control side

Rated control voltage	90...240 V AC / DC	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	Status indicator	Green LED
Protective circuit	RC element, Varistor	Input frequency	10 Hz

Load side

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

General data

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

Insulation coordination

Pollution severity	2	Surge voltage category	III
Dielectric strength for control side - load side	4 kV _{eff}	Dielectric strength of load side - housing	3.3 kV _{eff}
Impulse withstand voltage	4 kV (1.2/50 µs)	Protection degree	IP20

Further details of approvals / standards

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Technical data

Connection data (control side)

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)	1.2 Nm
Max. tightening torque (control side)	2 Nm	Blade size (control side)	Gr. PZ2

Connection data (load side)

Nom. rated connection clamping range (load side)	10 mm ²	Min. rated connection clamping range (load side)	1.5 mm ²
Max. rated connection clamping range (load side)	10 mm ²	Min. tightening torque (load side)	2 Nm
Max. tightening torque (load side)	3 Nm	Blade size (load side)	Gr. PZ2

Connection data

Wire connection method	Screw connection
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Classifications

ETIM 6.0	EC002055	ETIM 7.0	EC002055
ETIM 8.0	EC002055	ETIM 9.0	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
ECLASS 12.0	27-37-10-14	ECLASS 13.0	27-37-10-14

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E223474

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Package Insert – multilingual
Catalogues	Catalogues in PDF-format
Brochures	

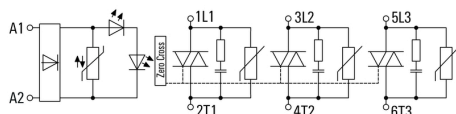
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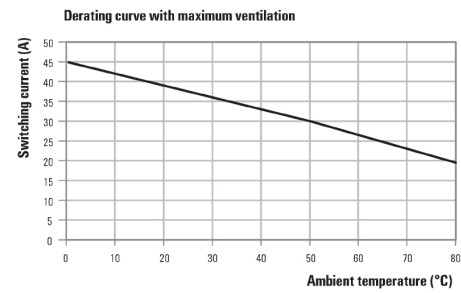
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Drawings

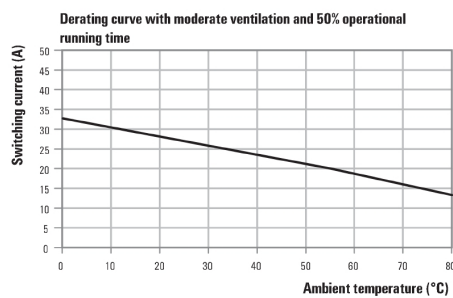
Wiring diagram



Graph

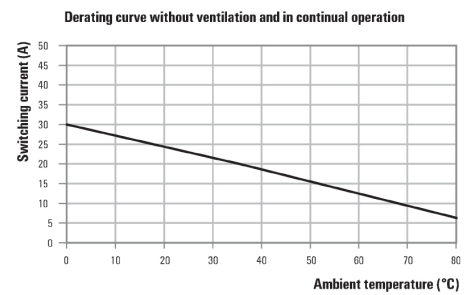


Graph



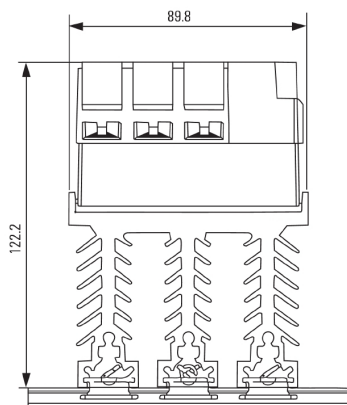
DC load limit curve

Graph



DC load limit curve

Dimensional drawing



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Accessories

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.5X3.0X80	Version
Order No.	2749330000	Screwdriver, Blade width (B): 3 mm, Blade length: 80 mm, Blade thickness (A): 0.5 mm
GTIN (EAN)	4050118895551	
Qty.	1 pc(s).	

Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	ESG 9/20 MC NE GE	Version
Order No.	1766160000	ESG, Device markers x 20 mm, PA 66, Colour: yellow, pluggable
GTIN (EAN)	4008190098360	
Qty.	200 pc(s).	
Type	ESG 9/20 MC NE WS	Version
Order No.	1609940000	ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4008190203528	
Qty.	200 pc(s).	
Type	ESG 9/20 MC NE TK	Version
Order No.	1866690000	ESG, Device markers x 20 mm, PA 66, Colour: Turquoise, pluggable
GTIN (EAN)	4032248436965	
Qty.	200 pc(s).	

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www.weidmueller.com**Accessories****SAK-Series**

SAK
Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	MEW 35/1	Version
Order No.	1805610000	End bracket, metal, grey, Rail: TS 35, when screwed in
GTIN (EAN)	4032248287017	
Qty.	10 pc(s).	

Crosshead screwdriver Pozidriv

Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

General ordering data

Type	SDK PZ2 X 100	Version
Order No.	2749450000	Screwdriver, Blade width (B): 100 mm, Blade thickness (A):
GTIN (EAN)	4050118895674	
Qty.	1 pc(s).	

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Accessories**ESG 6/15****Guaranteed long service life: ESG**

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

Your benefits with MultiMark

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

Type	ESG 6/15 MM WS	Version
Order No.	2619940000	ESG, Device markers, 6 x 15 mm, white
GTIN (EAN)	4050118626148	
Qty.	3,000 pc(s).	

ESG 6/17**Guaranteed long service life: ESG**

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

Your benefits with MultiMark

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

Type	ESG 6/17 MM WS	Version
Order No.	2005100000	ESG, Device markers, 6 x 17 mm, white
GTIN (EAN)	4050118390728	
Qty.	3,000 pc(s).	