

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, 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 3, 2024 6:34:00 AM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

PSSR 230VAC/3PH AC 20A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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
-------------------------	---------

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 A²s	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

Certificate No. (cURus)	E223474
-------------------------	---------

PSSR 230VAC/3PH AC 20A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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
------------------------	------------------

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
------------	----------------

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	

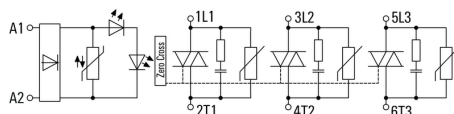
PSSR 230VAC/3PH AC 20A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

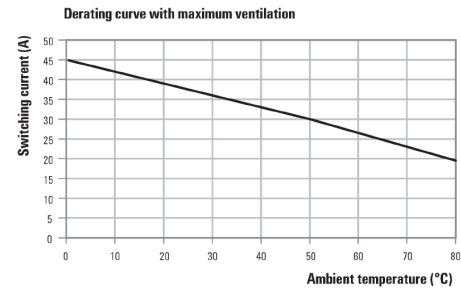
www.weidmueller.com

Drawings

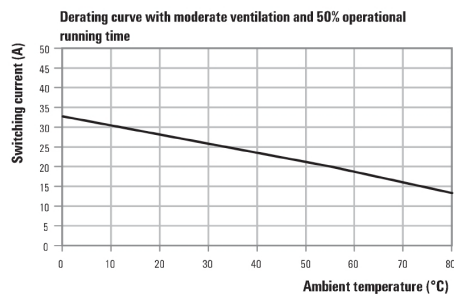
Wiring diagram



Graph

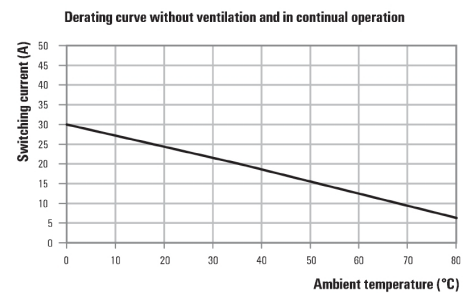


Graph



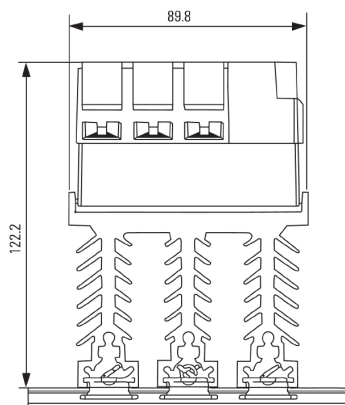
DC load limit curve

Graph



DC load limit curve

Dimensional drawing



PSSR 230VAC/3PH AC 20A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

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 TK	Version
Order No.	1866690000	ESG, Device markers x 20 mm, PA 66, Colour: Turquoise, pluggable
GTIN (EAN)	4032248436965	
Qty.	200 pc(s).	
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).	

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).	

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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).	

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).	

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****ESG 6/17****Guaranteed long service life: ESG**

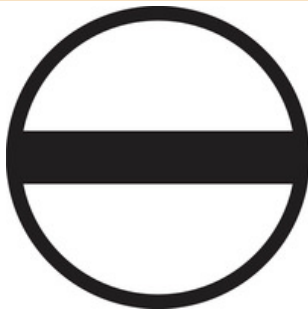
The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

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).	

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
GTIN (EAN)	4050118895551	thickness (A): 0.5 mm
Qty.	1 pc(s).	