

PSSR 1PH CONTROL UNIT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

- Monitoring of up to 5 consumers connected in parallel
- Monitoring of single failure and short-circuit
- Can be plugged into the single-phase PSSRs with heat sink
- Feedback output for error message
- Teach button on the module and external teach input
- Undercurrent switching threshold: $0.84 \times I_{teach}$

General ordering data

Version	
Order No.	1406230000
Type	PSSR 1PH CONTROL UNIT
GTIN (EAN)	4050118206739
Qty.	1 pc(s).

PSSR 1PH CONTROL UNIT

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	65 mm	Depth (inches)	2.559 inch
Height	112.3 mm	Height (inches)	4.421 inch
Width	25 mm	Width (inches)	0.984 inch
Net weight	85 g		

Temperatures

Storage temperature	-40 °C...125 °C	Operating temperature	-40 °C...80 °C
Humidity	40...85 % (indoor) no condensation		

Supply

Voltage supply	8...30 V DC	Current consumption	≤ 20 mA (feedback output unloaded), ≤ 120 mA (switched feedback output max. loaded)
Protective circuit	Varistor, Reverse polarity protection		

Control side

Rated control voltage (control input)	4...30 V DC	Nominal control current (control input)	≤ 2.5 mA
Rated control voltage (external teach input)	4...30 V DC	Nominal control current (external teach input)	≤ 2.5 mA
Input frequency	10 Hz		

Control output to the PSSR

Solid-state type	Transistor	Nominal switching voltage	8...30 V DC
Switch-on delay	≤ 15 ms	Switch-off delay	≤ 16 ms

Feedback output

Solid-state type	MOS-FET	Nominal switching voltage	8...30 V DC
Continuous current	0.1 A	Switch-on delay	≤ 100 ms
Switch-off delay	≤ 100 ms		

Current monitoring

Undercurrent switching threshold	0.84 x I _{setting}	Leakage current in PSSR output, max.	0.3 A
----------------------------------	-----------------------------	--------------------------------------	-------

Current transformer

Current measurement range AC, max.	40 A	Current measurement range AC, min.	2 A
Current sensor hole diameter	9 mm		

General data

Colour	black
--------	-------

Insulation coordination

Pollution severity	2	Surge voltage category	III
Protection degree	IP20		

Creation date July 25, 2024 11:09:44 AM CEST

PSSR 1PH CONTROL UNIT

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Connection data

Wire connection method	Screw connection	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm	Clamping range, rated connection	1.5 mm ²
Clamping range, min.	0.15 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section, finely stranded, min.	0.2 mm ²	Wire connection cross section, finely stranded, max.	1.5 mm ²
Wire cross-section, finely stranded, min. (AWG)	AWG 26	Wire cross-section, finely stranded, max. (AWG)	AWG 12
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.2 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²
Blade size	0.6 x 3.5 mm		

Classifications

ETIM 6.0	EC001440	ETIM 7.0	EC001440
ETIM 8.0	EC001440	ETIM 9.0	EC001440
ECLASS 9.0	27-37-18-02	ECLASS 9.1	27-37-18-02
ECLASS 10.0	27-37-18-02	ECLASS 11.0	27-37-18-02
ECLASS 12.0	27-37-18-02	ECLASS 13.0	27-37-18-02

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
RoHS Compliance Status	Compliant

Approvals

Approvals



ROHS	Conform
------	---------

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	User Documentation - Manual DE/EN
Catalogues	Catalogues in PDF-format
Brochures	

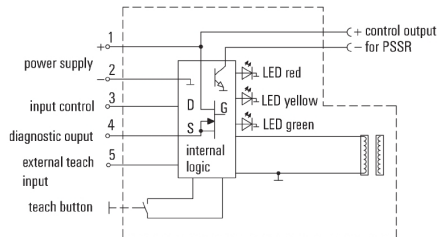
PSSR 1PH CONTROL UNIT

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

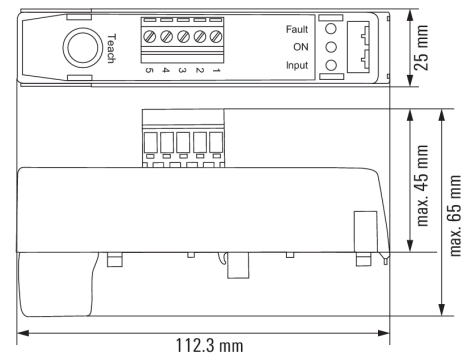
www.weidmueller.com

Drawings

Wiring diagram



Dimensional drawing

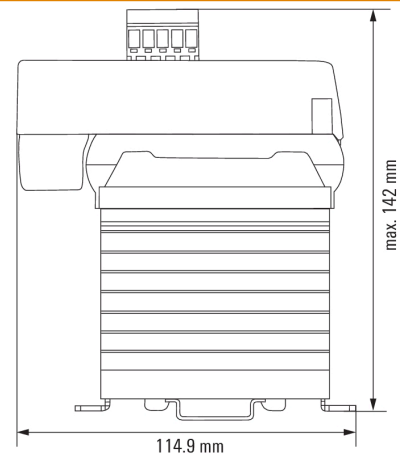


Example of use



Current monitoring module
mounted on a single-phase PSSR

Dimensional drawing



Dimensions of a current-monitoring
module mounted on a single-phase PSSR

PSSR 1PH CONTROL UNIT

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 6/15 RIDER MC NE WS	Version
Order No.	1881280000	ESG, Device markers x 15 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4032248482276	
Qty.	200 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 1PH CONTROL UNIT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

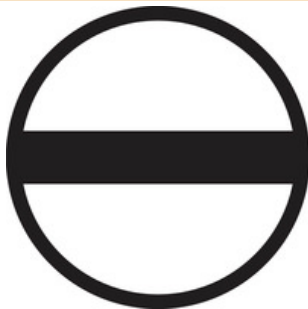
The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

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 0.6X3.5X100	Version
Order No.	2749340000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118895568	thickness (A): 0.6 mm
Qty.	1 pc(s).	