

**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.	<a href="#">1406230000</a>
Type	PSSR 1PH CONTROL UNIT
GTIN (EAN)	4050118206739
Qty.	1 pc(s).

## PSSR 1PH CONTROL UNIT

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## 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 <sub>setting</sub>	Leakage current in PSSR output, max.	0.3 A
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## 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
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## Insulation coordination

Pollution severity	2	Surge voltage category	III
Protection degree	IP20		

Creation date June 5, 2024 4:13:54 AM CEST

Catalogue status 01.06.2024 / We reserve the right to make technical changes.

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## 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 <sup>2</sup>
Clamping range, min.	0.15 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.2 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	1.5 mm <sup>2</sup>
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 <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm <sup>2</sup>
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
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## Approvals

Approvals



ROHS	Conform
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## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">User Documentation - Manual DE/EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

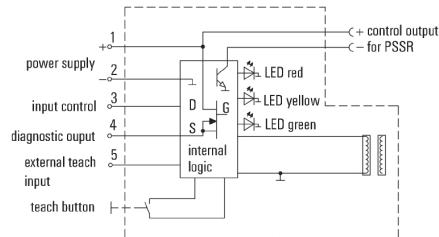
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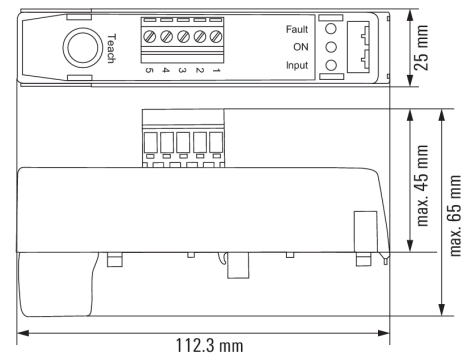
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

### Wiring diagram



### Dimensional drawing

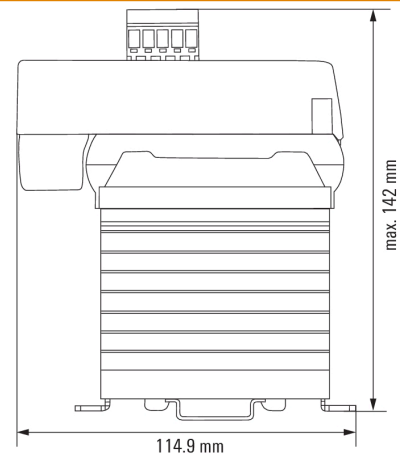


### Example of use



Current monitoring module  
mounted on a single-phase PSSR

### Dimensional drawing



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

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## 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.	<a href="#">1881280000</a>	ESG, Device markers x 15 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4032248482276	
Qty.	200 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.	<a href="#">2005100000</a>	ESG, Device markers, 6 x 17 mm, white
GTIN (EAN)	4050118390728	
Qty.	3,000 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****ESG 6/15****Guaranteed long service life: ESG**

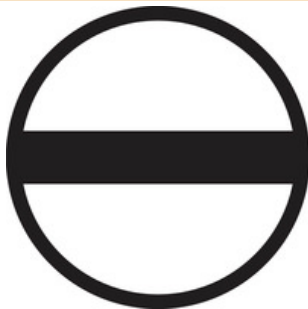
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- Can be used with equipment from many manufacturers
- Device markers with a familiar design

**General ordering data**

Type	ESG 6/15 MM WS	Version
Order No.	<a href="#">2619940000</a>	ESG, Device markers, 6 x 15 mm, white
GTIN (EAN)	4050118626148	
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.	<a href="#">2749340000</a>	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118895568	thickness (A): 0.6 mm
Qty.	1 pc(s).	