

# PSP 2540

## Water-cooled Rectifier for Industrial Applications



### Ultracompact

The ultracompact **PSP 2540** rectifier has been designed especially to meet the demands on rectifiers used in rack- and barrel-type installations in plating plants and small part anodizing lines. With a base size of less than 0.25 m<sup>2</sup>, a splash-proof enclosure with base and a height of 1.5 m, this rectifier fits everywhere.

The **PSP 2540** ensures low operating costs due to an efficiency of more than 87 % and an efficient water cooling system. This water cooled rectifier can be sufficiently cooled utilizing an air to water heat exchanger in most environments without the needs of expensive refrigeration units.

#### Further Advantages:

- Complete unit
- Parallel connection possible
- Nominal current: 2,500 A per contact

# PSP 2540

## Compact, Highly Efficient, Multi Purpose

### Product Advantages

- Complete unit
- Efficiency > 87 %
- Completely splash-proof IP 54
- Central mains connection
- Central water connection
- Low height: 1.5 m
- Small foot print: < 0.25 m<sup>2</sup>
- Low weight: 170 kg
- Integrated EMC line filter for reducing line harmonics
- Fully electronic current and voltage control
- Automatic DC overcurrent limitation
- No open-circuit loss
- All usual interfaces available: Profinet, Profibus, Analogue

### Technical Data

Mains voltage	3 x 380 - 480 V, 50 / 60 Hz
Power factor	> 0,95
Output current	up to 2.500 A
Output voltage	up to 25 V
Ripple	< 3 %
Duty factor	100 % (24/7)
Efficiency	> 87 %
Ambient temperature	up to 40 °C
Water inlet temperature	+ 16 °C to + 30 °C
Protection class	IP 54
Finish	RAL 7035
Dimensions	W/D/H = 400/600/1400 mm (plus 100 mm for the base)
Weight	170 kg



**MUNK**  
Rectifiers, Transformers and Electrical Installations

**MUNK GmbH**  
Gewerbepark 8 + 10  
D-59069 Hamm-Rhynern  
Germany  
Tel +49 2385 74-0  
Fax +49 2385 74-55  
sales@rectifier.com

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

**MUNK Service Center South**  
Murrhardter Strasse 3  
D-71560 Sulzbach/Murr  
Germany  
Tel +49 2385 74-73  
Fax +49 2385 74-74  
sales@rectifier.com

**MUNK Service Center East**  
Bahnhofstrasse 39  
D-09648 Mittweida  
Germany  
Tel +49 2385 74-20  
Fax +49 2385 74-9920  
sales@rectifier.com