

Rottweil, 25.05.2022

## Solid State Relay SSR 15 A (1.069.3xx.15E)

The MRS solid state relay has high capacitive and inductive peak current capacity and is perfectly suited for switching resistive and inductive loads. Compared to mechanical relays, the solid state relay has no moving contacts so it is maintenance and wear-free with a silent activation. The current feedback via the additional 5th pin offers useful diagnostic output. Due to the compact size and the connector, the relay is compatible with conventional ISO mini relays. The solid state relay can be ordered with positive or negative control.

Solid state relays from MRS feature a long service life, short response times and low quiescent current requirement of approx. 50  $\mu$ A. They are short-circuit proof, overload-proof, and over temperature protected. They are ideally suited for your wide range of applications with high switching cycle counts.

## Product images

### 1. Solid State Relay SSR 15 A





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## General Data

Name	Value
Weight	40 g
Dimensions	30 × 30 × 30 mm
Housing material	Plastic
Type-approval number	05 8639
Type-approval	E1
Number of pins	5
In-/Outputs (total)	3
Operating voltage	9-30 V

## Technical Data

Name	Value
Number of pins	5
In-/Outputs (total)	3
Inputs (total)	1
Inputs (digital)	1
Outputs (total)	2
Outputs (PWM capable, integrated current measurement INA)	1
Outputs (digital)	1
Temperature range	-40 to 85 °C
Protection class	IP53
Operating voltage	9-30 V
Switch-on voltage	6 V
Overload protection ( $\geq$ )	33 V
Current consumption ( $\leq$ )	20 $\mu$ A
Max. switching current	15 A

## Order options

Name	Model	Order no.
Solid State Relay SSR 15 A	Positive Control	1.069.300.15E
Solid State Relay SSR 15 A	Negative Control	1.069.301.15E



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## Accessories

Required accessories	Article number
Socket ST FL 9-pin 5 x 6.3 / 4 x 2.8	1.017.002.00
FASTON terminal for latching 6.3 mm 1 mm <sup>2</sup>	102355
FASTON terminal for latching 6.3 mm 1.5 – 2.5 mm <sup>2</sup>	103064