

Rottweil, 18.08.2022

Solid State Relay SSR 5 A (1.069.3xx.05E)

The MRS solid state relay SSR 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 and is therefore maintenance and wear-free. Activation is silent. The current feedback via the additional fifth pin offers useful diagnostic options. 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.

The Solid State Relay SSR from MRS convinces by a long service life, short response times and low quiescent current requirement of approx. 50 μ A. In addition, it is short-circuit proof, overload-proof and overtemperature protected and is therefore ideally suited for your wide range of applications with high switching operations.

Product images

1. Solid State Relay SSR 5 A





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General Data

Name	Value
Weight	20 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	9-32 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
Switch-on voltage	6 V
Overload protection (\geq)	33 V
Current consumption (\leq)	20 μ A
Max. switching current	5 A
Operating voltage	9-32 V

Order options

Name	Type	Model	Order no.
Solid State Relay SSR 5 A	C	Positive Control	1.069.300.05E
Solid State Relay SSR 5 A	C	Negative Control	1.069.301.05E



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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 ²	102355
FASTON terminal for latching 6.3 mm 1.5 – 2.5 mm ²	103064