

ISP2

overview

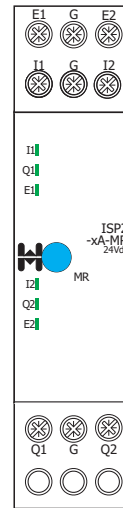
- ◆ two independent channels
- ◆ overcurrent shutdown (electronic fuse)
- ◆ current limitation
- ◆ under and overvoltage shutdown
- ◆ overvoltage limitation
- ◆ reverse voltage protection
- ◆ reverse polarity protection
- ◆ reset inputs
- ◆ LEDs for status display
- ◆ 22,5mm rail mount housing

specification

input (supply)	
rated voltage	-30..+20% = 16,8..28,8V
duty cycle	100%
max. input voltage	-35Vdc; +35Vdc
output	
	ISP2-1A.. ISP2-2A
overcurrent threshold	1,0..1,45A 2,1..2,9A
overcurrent limitation	1,0..1,45A 2,1..2,9A
voltage drop	<115mV@1A <190mV@2,1A
max. input voltage	-0,5dc; +35Vdc
reset input	
voltage for 0/1	<5V / > 15V
input current	<11,7mA
real power	<180mW
max. input voltage	-35Vdc; +35Vdc
screws	
	Pozidriv 1, Slot 4mm
screw tightening torque	
	0,6..0,8 Nm
operating conditions	
	-20 bis +60°C; 5..90%rH; nicht kondensierend

ordering information

part no	nom. voltage / nom. current	power	UL	housing type
ISP2-1A-MR 24Vdc	24V= / 1A	360mW	-	L
ISP2-2A-MR 24Vdc	24V= / 2,1A	360mW	-	L



Function

The ISP2 is a two-channel fuse with multiple voltage protection functions.

If the input voltage is within the rated voltage, it is switched through to the output. In case of overcurrent, it is limited for a short time and subsequently the output is switched off.

Faults such as overcurrent or overvoltage will result in a latched condition that can be reset by using the front panel pushbutton, a reset input, or turning off the input voltage.

Schema

