

**MICROSERIES
MAS DC/DC select**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
 www.weidmueller.com



Single-channel signal converter with external power supply for the transmission and isolation of DC, current and voltage signals.

Input and output parameters can be universally configured and parameterised. The input and output channels are completely electrically isolated, as is the power supply. Depending on their housing type, these converters are available in widths of 6.1 mm and 17.5 mm.

General ordering data

Order No.	8594810000
Type	MAS DC/DC select
Version	MICROSERIES, Signal converter/disconnector
EAN	4032248252442
Qty.	1 pc(s).

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Technical data

Dimensions

Length	88 mm	Width	6.1 mm
Height	97.8 mm		

Temperatures

Operating temperature	0 °C...+55 °C	Storage temperature	-20 °C...+85 °C
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Failure probability

MTTF	440 Years
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Input

Voltage drop	< 0.1 V @ I _{IN} = 20 mA (current input)	No. Inputs	1
Input resistance, voltage	100 kΩ	Input resistance, current	≤ 5 Ω
Input current	0(4)...20 mA	Input voltage	0...10 V

Output

Cut-off frequency (-3 dB)	> 100 Hz	load impedance voltage	≥ 10 kΩ
Number of outputs	1	load impedance current	≤ 500 Ω
Output voltage, note	0...10 V	Output current	0(4)...20 mA

General data

Current-carrying capacity of cross-connect.	≤ 20 A	Galvanic isolation	3-way isolator
Input/Output	Configurable	Mounting rail	TS 35
Power consumption	ca. 0.6 W	Supply voltage	24 V DC ± 15 %
Temperature coefficient	≤ 150 ppm/K of of final value		

Insulation coordination

EMC standards	DIN EN 61326	Insulation voltage	500 V _{eff} / 1 s
Insulation voltage input or output/rail	500 V _{eff} / 1 s	Insulation voltage input or output/supply	500 V _{eff} / 1 s
Oversvoltage category	II	Pollution severity	2
Rated voltage	50 V	Standards	EN 50178

Classifications

ETIM 3.0	EC001774	ETIM 4.0	EC002653
eClass 6.0	27-21-01-20		

Approvals

Approvals	CE; CURUS
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Datasheet

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Drawings

Electric symbol

