

## MICROSERIES MAS DC/DC select

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

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The configurable MAS/MAZ DC/DC select and MAS DC/DC select HI: DC signal isolating converters with external power supply in 6.1 mm width, for transmitting and isolating standardised analogue DC current and voltage signals. The input and output parameters can be configured as required using DIP switches. The isolating transformers are designed with 0.5 kV or 2.5 kV (DC/DC select HI) of complete electrical isolation. The 24 V DC voltage supply can be bridged module by module using the ZQV 4N plug-in cross-connectors. The MI 8 A-I/O S-SUBD15B interface module makes it easy to carry out byte-wise system wiring with pre-assembled cables on the inputs or outputs. They can be used in many applications around the world because of their international approvals (cULus, C1D2 and ATEX Zone2).

### General ordering data

Order No.	<a href="#">8594810000</a>
Type	MAS DC/DC select
Version	MICROSERIES, Signal converter/disconnector
GTIN (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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**Probability of failure**

MTTF	440
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**Input**

Input current	0(4)...20 mA	Number of inputs	1
Input resistance, voltage	100 kΩ	Input resistance, current	≤ 5 Ω
Voltage drop	< 0.1 V @ I <sub>IN</sub> = 20 mA (current input)	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 <sub>eff</sub> / 1 s
Insulation voltage input or output/rail	500 V <sub>eff</sub> / 1 s	Insulation voltage input or output/supply	500 V <sub>eff</sub> / 1 s
Pollution severity	2	Rated voltage	50 V
Standards	DIN EN 61010, DIN EN 60079, DIN EN 61326-1	Surge voltage category	II

**Classifications**

ETIM 3.0	EC001774	eClass 6.0	27-21-01-20
eClass 7.0	27-21-01-20		

**Approvals**

Approvals



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**Technical data****Downloads**

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Declaration of Conformity	<a href="#">K227_07_11.pdf</a>
EPLAN	<a href="#">8594810000.ema</a>
<a href="#">3-D model</a>	

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**Drawings**

**Electric symbol**

