

MICROSERIES
MAS DC/DC select HI**Weidmüller Interface GmbH & Co. KG**

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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.	8757530000
Type	MAS DC/DC select HI
Version	MICROSERIES, Signal converter/disconnector
GTIN (EAN)	4032248429608
Qty.	1 pc(s).

MICROSERIES MAS DC/DC select HI

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Technical data

Dimensions and weights

Length	88 mm	Width	6.1 mm
Depth	97.8 mm	Net weight	47 g

Temperatures

Operating temperature	0 °C...+55 °C	Storage temperature	-20 °C...+85 °C
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Probability of failure

MTTF	440 Years
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Input

Input current	0(4)...20 mA	Number of inputs	1
Input resistance, voltage	100 k Ω	Input resistance, current	$\leq 5 \Omega$
Voltage drop	< 0.1 V @ $I_{IN} = 20$ mA (current input)	Input voltage	0...10 V

Output

Cut-off frequency (-3 dB)	> 100 Hz	load impedance voltage	≥ 10 k Ω
Number of outputs	1	load impedance current	$\leq 600 \Omega$
Output voltage, note	0...10 V	Output current	0(4)...20 mA

General data

Accuracy	< 0.2 % at current / < 0.3 % at voltage of measured value	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
Type of connection	Screw connection		

Insulation coordination

EMC standards	DIN EN 61326	Impulse withstand voltage	6 kV
Insulation voltage	2.5 kV _{eff}	Insulation voltage input or output/rail	2.5 kV _{eff}
Insulation voltage input or output/supply	2.5 kV _{eff}	Pollution severity	2
Rated voltage	300 V	Standards	DIN EN 61010, DIN EN 60079, DIN EN 61326-1
Surge voltage category	II		

Classifications

UNSPSC	30-21-18-01	eClass 6.0	27-21-01-20
eClass 7.0	27-21-01-20		

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Technical data

Approvals

Approvals



Downloads

Declaration of Conformity	K447_07_11.pdf
EPLAN	8757530000.ema

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