

**MICROSERIES
MAS DC/DC select**

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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

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

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Technical data
Dimensions and weights

Length	88 mm	Width	6.1 mm
Depth	97.8 mm	Net weight	46 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

Supply voltage	24 V DC \pm 15 %	Input current	0...20 mA, 4...20 mA
Number of inputs	1	Input resistance, voltage	100 k Ω
Input resistance, current	\leq 5 Ω	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	\geq 10 k Ω
Number of outputs	1	load impedance current	\leq 500 Ω
Output voltage, note	0...10 V	Output current	0...20 mA, 4...20 mA

General data

Current-carrying capacity of cross-connect.	\leq 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 \pm 15 %
Temperature coefficient	\leq 150 ppm/K of of final value		

Insulation coordination

EMC standards	DIN EN 61326	Galvanic isolation	3-way isolator
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	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 6.2	27-21-01-20
eClass 7.1	27-21-01-20		

Product information

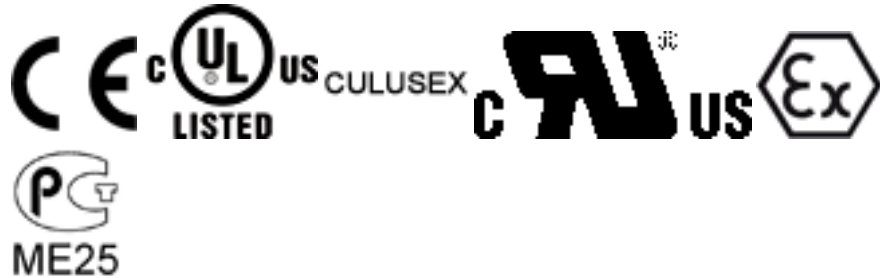
Descriptive text accessories	Cross-connectors for power supplies and markers – refer to Accessories
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Data sheet**MICROSERIES
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Technical data**Approvals**

Approvals



ROHS	Conform
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Downloads

Package insert	instruction sheet.pdf
Declaration of Conformity	Declaration of Conformity.pdf
EPLAN	8594810000.ema
3-D model	

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Drawings**Electric symbol**