

MAS DC/DC SELECT

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
www.weidmueller.com

Product image



General ordering data

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

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Technical data

Dimensions and weights

Depth	97.8 mm	Depth (inches)	3.85 inch
Width	6.1 mm	Width (inches)	0.24 inch
Length	88 mm	Length (inches)	3.465 inch
Net weight	51 g		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...55 °C
Humidity at operating temperature	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508	None	MTTF	440 a
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Input

Input current	0...20 mA, 4...20 mA	Input resistance, current	≤ 5 Ω
Input resistance, voltage	100 kΩ	Input voltage	0...10 V
Number of inputs	1	Voltage drop	<0.1 V @ I _{IN} = 20 mA (current input)

Output

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

General data

Galvanic isolation	3-way isolator	Nominal power consumption	1.5 VA
Power consumption	ca. 0.6 W	Protection degree	IP20
Rail	TS 35	Temperature coefficient	≤ 150 ppm/K of final value
Voltage supply	24 V DC ± 15 %		

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	Surge voltage category	II

Connection data

Type of connection	Screw connection	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ECLASS 9.0	27-21-01-20	ECLASS 9.1	27-21-01-20
ECLASS 10.0	27-21-01-20	ECLASS 11.0	27-21-01-20
ECLASS 12.0	27-21-01-20	ECLASS 13.0	27-21-01-20
ECLASS 14.0	27-21-01-20		

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Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	4c08c934-ef45-4df2-8269-ccadfff1d702

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E175400
Certificate no. (cULus)	E345958
Certificate no. (cULusEX)	E346097

Downloads

Approval/Certificate/Document of Conformity	Application notes – Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

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Drawings

Electric symbol

