MCR-DAC 8-U-10-BUS - Converter

2808190

https://www.phoenixcontact.com/us/products/2808190

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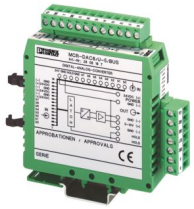


The figure shows version MCR-DAC 8-U-5-BUS

MCR 8-bit digital/analog converters, with flat-ribbon cable connection and COMBICON connector, pitch 5.08 mm, output signal 0..10 V

Commercial data

Item number	2808190
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C401
Product key	DK1XXX
GTIN	4017918075545
Weight per piece (including packing)	151.2 g
Weight per piece (excluding packing)	145 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Electrical properties

Maximum power dissipation for nominal condition	< 480 mW
Protective circuit	Protection against polarity reversal, suppressor diode
Maximum transmission error	±1 LSB, for 25 °C

Supply

Nominal supply voltage	24 V DC ±10 %
Supply voltage range	22 V DC ... 26 V DC
Max. current consumption	20 mA

Input data

Signal D/A converter

Input signal digital	8 bit (1 leading sign)
Input voltage range	24 V DC ... 30 V DC
Signal level "1" signal	≥ 15 V DC
Signal level "0" signal	≤ 2 V DC
Max. current input signal	≤ 1 mA
Input resistance of voltage input	≥ 5.7 kΩ
Protective circuit	Surge protection; Suppressor diode, 36 V / 1500 W

Output data

Signal

Output current	5 mA

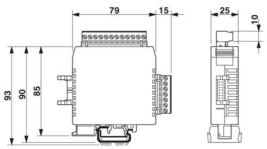
Signal: Voltage output

Voltage output signal	0 V ... 10 V
Load/output load voltage output	≥ 2 kΩ
Resolution, outputs (voltage)	approx. 39 mV
D/A conversion time	≤ 25 µs

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm² ... 2.5 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 14

Dimensions

Dimensional drawing	
Width	25 mm
Height	79 mm
Depth	93 mm

Material specifications

Color	green (RAL 6021)
Housing material	Polyamide PA non-reinforced

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	0 °C ... 55 °C

Approvals

CE

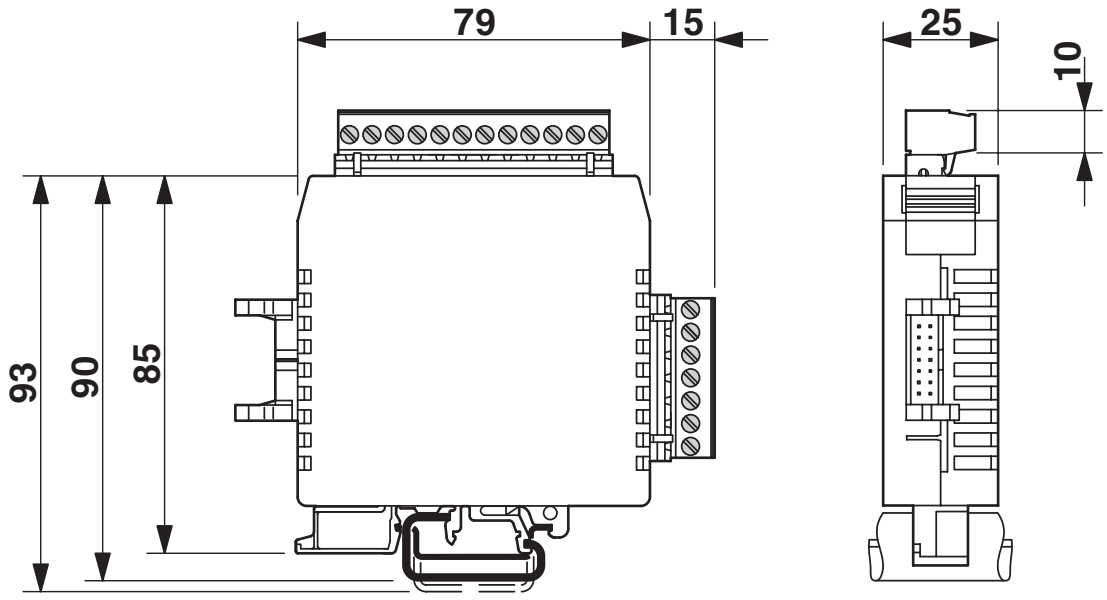
Certificate	CE-compliant

Mounting

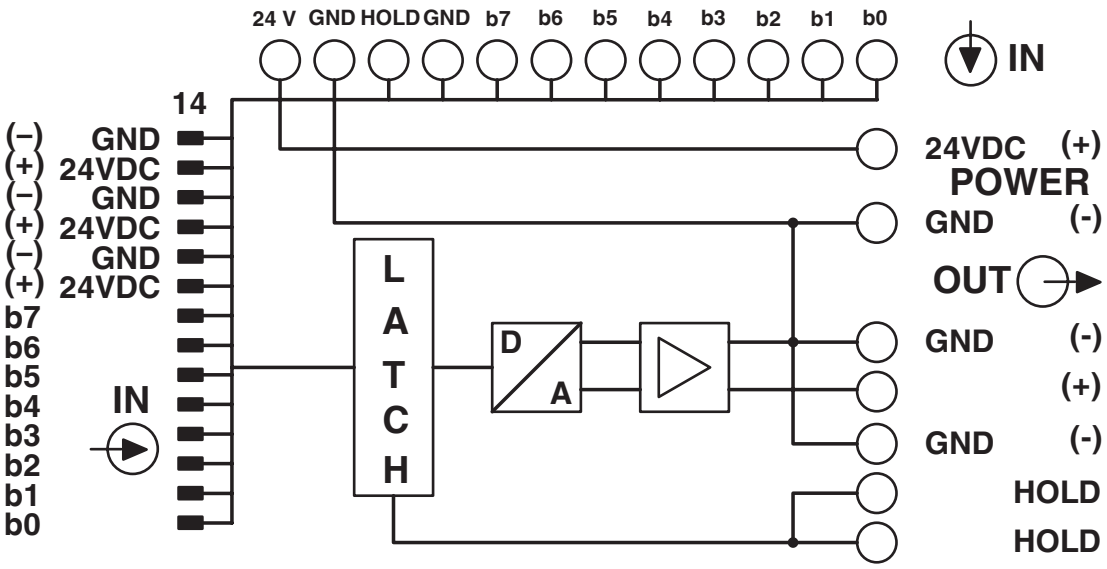
Mounting type	DIN rail mounting
Mounting position	any

Drawings

Dimensional drawing



Circuit diagram



Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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