



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Converter - MCR-DAC 8-I- 4-BUS - 2808226

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




MCR 8-bit digital/analog converters, with flat-ribbon cable connection and COMBICON connector, pitch 5.08 mm, output signal 4..20 mA

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



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 075576
GTIN	4017918075576

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

#### Dimensions

Width	25 mm
Height	79 mm
Depth	93 mm

#### Ambient conditions

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

#### Input data

Input signal	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. input current	≤ 1 mA
Input resistance	≥ 5.7 kΩ

# Converter - MCR-DAC 8-I- 4-BUS - 2808226

## Technical data

### Input data

Type of protection	Surge protection
Protective circuit/component	Suppressor diode, 36 V / 1500 W

### Output data

Output current	5 mA
Output name	Current output
Current output signal	4 mA ... 20 mA
Load/output load current output	≤ 500 Ω
Resolution, outputs (current)	63 μA
D/A conversion time	≤ 50 μs

### Power supply

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

### Connection data

Connection method	Flat-ribbon cable connection and COMBICON connector (pitch 5.08 mm)
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Stripping length	8 mm
Screw thread	M3

### General

Maximum transmission error	± 1 LSB, for 25°C
Protective circuit	Protection against polarity reversal, suppressor diode
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	any
Conformance	CE-compliant

### Standards and Regulations

Conformance	CE-compliant
-------------	--------------

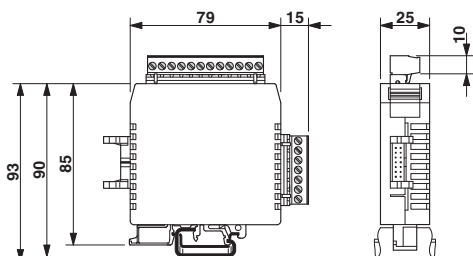
### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

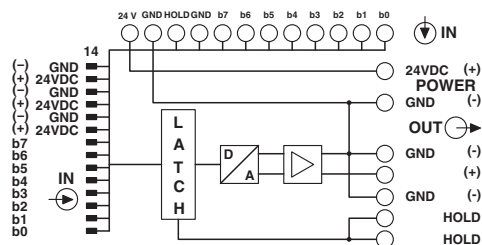
# Converter - MCR-DAC 8-I- 4-BUS - 2808226

## Drawings

Dimensional drawing



Circuit diagram



## Approvals

Approvals

Approvals

EAC

Ex Approvals

### Approval details

EAC		RU C- DE.A*30.B.01082
-----	--	--------------------------

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
 Flachsmarktstr. 8  
 32825 Blomberg  
 Germany  
 Tel. +49 5235 300  
 Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>