

WAS5 CCC LP 0-20/0-20MA

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

www.weidmueller.com

**Do not use product for
 new developments, Only
 remaining stock available**



1-channel signal isolating converter with external power supply: for transmitting and isolating analogue DC current and voltage signals.

The input and output parameters can be configured as required using the DIP switches.

The input and output channels are completely electrically isolated, as is the power supply.

Depending on their housing type, these converters are available in widths of 6.1 mm and 12.5 mm.

These signal isolating converters have international approvals (cULus, ATEX Zone2, FM Div 2, GL,DNV) which enable them to be used worldwide for many applications.

General ordering data

Version	Passive isolator, Input : 0(4)-20 mA, (loop powered), Output : 0(4)-20 mA
Order No.	8463580000
Type	WAS5 CCC LP 0-20/0-20MA
GTIN (EAN)	4032248049455
Qty.	1 Stück
Delivery status	This article will no longer be available in the future.
Available until	2022-12-31
Alternative product	7760054124

WAS5 CCC LP 0-20/0-20MA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technische Daten

Dimensions and weights

Depth	112.4 mm	Depth (inches)	4.425 inch
Width	17.5 mm	Width (inches)	0.689 inch
Length	92.4 mm	Length (inches)	3.638 inch
Net weight	152 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-25 °C...70 °C
Operating temperature, min.	-25 °C	Operating temperature, max.	70 °C

Probability of failure

MTTF	1,049 Jahre
------	-------------

Input

Input current	0(4)...20 mA current loop	Number of inputs	2
Pick-up current	< 100 µA	Voltage drop	Approx. 3 V at $R_L = 0 \Omega$; approx. 13 V at $R_L = 500 \Omega$; ($I_{IN} = 20 \text{ mA}$)

Output

Load impedance current	$\leq 500 \Omega$	Number of outputs	2
Output current	0...20 mA, 4...20 mA		

Output (analogue)

Output current	0...20 mA, 4...20 mA
----------------	----------------------

General data

Accuracy	< 0.1 % of end value	Configuration	none
Galvanic isolation	Passive isolator	Input/Output	0(4)...20 mA/0(4)...20 mA (2-channel)
Rail	TS 35	Temperature coefficient	$\leq 50 \text{ ppm/K}$ of final value
Voltage supply	via the input measuring circuit		

Insulation coordination

Clearance and creepage distances	$\geq 5.5 \text{ mm}$	EMC standards	EN 55011, EN 61000-6
Galvanic isolation	Passive isolator	Impulse withstand voltage	6 kV
Insulation voltage	4 kV _{eff} / 1 s	Insulation voltage input or output/rail	4 kV _{eff} / 1 min.
Pollution severity	2	Rated voltage	300 V
Surge voltage category	III		

Connection data

Type of connection	Screw connection	Stripping length, rated connection	7 mm
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping range, rated connection	2.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²		

Erstellungs-Datum May 26, 2023 3:43:31 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

WAS5 CCC LP 0-20/0-20MA

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

www.weidmueller.com

Technische Daten

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	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

Tender specification sheets

Long specification

Standard signal passive isolator two-channel, input-loop powered
 2-channel signal passive isolator in 17.5 mm width with input current loop feed, for transmitting and isolating analogue DC current signals from 0/4 to 20 mA Add-on housing for TS35 DIN rail installation Dimensions: L/W/H 92.4/17.5/ 112.4 mm Screw connection / nominal cross-section 2.5 mm² Protection degree: IP20 Input 2 x 0/4 to 20 mA Output 2 x 0/4 to 20 mA Voltage drop approx. 3 V at RL 0 Ohm, 13 V at RL = 500 Ohm (20 mA) Load resistance Transmission error
 Auxiliary power 0/4...20 mA Input current loop Ambient temperature range -25 °C...+70 °C

Isolation EN 50178 , 2-way isolation up to 4 kV AC/DC
 Test voltage 6 kV
 Rated voltage 300 V AC/DC at overvoltage category III and pollution degree 2
 Approvals cULus, cULusEX, CSA, GL

Type **WAS5 CCC-LP 0-20/0-20mA**

Short specification

Standard signal passive isolator two-channel, input-loop powered
2-channel signal passive isolator in 17.5 mm width with input current loop feed, for transmitting and isolating analogue DC current signals from 0/4 to 20 mA

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	b25f3b7c-b874-4a4e-a8b2-4f423a7e2a65

Important note

Product information This product will soon be replaced by a new product. Please do not use with new systems. Please contact our technical support.

WAS5 CCC LP 0-20/0-20MA

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

www.weidmueller.com

Technische Daten

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	WSCAD, EPLAN
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

WAS5 CCC LP 0-20/0-20MA

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

www.weidmueller.com

Zeichnungen

Connection diagram

