

WAS5 CCC 2OLP EX

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

www.weidmueller.com

Product is no longer
 available, Data sheet for
 information only



General ordering data

Version	Signal converter/insulator, Input : 4-20 mA, Output : 2 x 4-20 mA, (loop powered)
Order No.	8975640000
Type	WAS5 CCC 2OLP EX
GTIN (EAN)	4032248808250
Qty.	1 pc(s).
Delivery status	Discontinued
Available until	2019-08-31
Alternative product	7760054122

Creation date March 30, 2021 12:04:59 AM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	112.4 mm	Depth (inches)	4.425 inch
Length	92.4 mm	Length (inches)	3.638 inch
Net weight	88.1 g	Width	17.5 mm
Width (inches)	0.689 inch		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...55 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Input current	4...20 mA (current loop)	Number of inputs	1
Voltage drop	3.8 V		

Output

Cut-off frequency (-3 dB)	30 Hz	Load impedance current	$R_L = (U_B - 12 \text{ V}) / 20 \pm 20 \text{ mA}$, e.g. 600 Ω at 24 V
Number of outputs	2	Output current	2 x 4...20 mA (current loop)
Output signal limit	Approx. 31 mA	Status indicator	Green LED

General data

Accuracy	typ. 0.1 %; max 0.2 %	Configuration	none
Galvanic isolation	Passive isolator	Input/Output	4...20 mA / 2 x 4...20 mA
Rail	TS 35	Step response time	< 20 ms
Temperature coefficient	$\leq 150 \text{ ppm/K}$	Type of connection	Screw connection
Voltage supply	min. 12 V DC / max. 30 V DC		

Insulation coordination

Clearance & creepage distances	$\geq 5.5 \text{ mm}$	EMC standards	EN 55011, EN 61000-6
Galvanic isolation	Passive isolator	Impulse withstand voltage	4 kV
Insulation voltage	4 kV _{eff} / 5 s	Insulation voltage input or output/rail	4 kV _{eff} / 1 min.
Insulation voltage input or output/supply	4 kV _{eff} / 5 s	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		

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Classifications

ETIM 6.0	EC002653	ETIM 7.0	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

Tender specification sheets

Long specification

Standard signal splitter, output-current loop feed

1-channel signal splitter in 17.5 mm width, output-current loop feed, for transmitting and isolating analogue DC current signals from 4 to 20 mA.

Approved for ATEX Zone2

UL C1/ Div2 applications.

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: IP 20

Input 4...20 mA

Output 2 x 4...20 mA

Load resistance / R = (UB-12 V) / 20 mA e.g.

600 Ohm at 20 mA

Transmission error < 0,1 % v. E.

Auxiliary power 4...20 mA

output current loop

Ambient

temperature range 0°C...

+55 °C

Isolation EN 50178 , 2-way isolation up to 4 kV

AC/DC

Test voltage 4 kV

Rated

voltage 300 V AC/DC at

overvoltage category III

and pollution degree 2

Approvals cULus,

cULusEX, ATEX

Type **WAS5 CCC 20LP EX**

Short specification

Standard signal splitter, output-current loop feed

1-channel signal splitter in 17.5 mm width, output-current loop feed, for transmitting and isolating analogue DC current signals from 4 to 20 mA.

Approved for ATEX Zone2 UL C1/ Div2 applications.

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.

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Technical data**Approvals**

Approvals



ROHS

Conform

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Approval/Certificate/Document of
Conformity

[Declaration of Conformity](#)

Engineering Data

[EPLAN, WSCAD](#)

User Documentation

[Instruction sheet](#)

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Drawings

Connection diagram

