

WAS5 CCC 2OLP**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.	8581160000
Type	WAS5 CCC 2OLP
GTIN (EAN)	4032248234462
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2019-08-31
Alternative product	7760054122

Creation date March 29, 2021 10:59:36 PM CEST

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

WAS5 CCC 20LP

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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	87.5 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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Probability of failure

MTTF	228 Jahre
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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-loop powered

1-channel signal splitter in 17.5 mm width, output-loop powered, for transmitting and isolating analogue DC current signals from 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

mm²Protection

degree: IP 20

Input 4...20

mAOutput 2 x

4...20 mA

Load resistance/ R =

(UB-12 V) / 20 mA e.g.

600 Ohm at 20 mA

Transmission error

Auxiliary power

4...20 mA Output

current loopAmbient

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

Type

CCC 20LP

Short specification

Standard signal splitter, output-loop powered 1-channel signal splitter in 17.5 mm width, output-loop powered, for transmitting and isolating analogue DC current signals from 0/4 to 20 mA.

WAS5

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
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

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Drawings

Connection diagram

