

WAS5 CCC 20LP**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

**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 20LP
GTIN (EAN)	4032248234462
Qty.	1 pc(s).
Delivery status	Discontinued
Available until	2022-03-30
Alternative product	7760054122

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Technical data

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	87.5 g		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...55
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Probability of failure

MTTF	228 a
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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		

General data

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

Insulation coordination

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
ETIM 8.0	EC002653	ETIM 9.0	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	ECLASS 13.0	27-21-01-20

Tender specification sheets

Long specification

Standard signal splitter, output-loop powered

1-channel signal splitter
in 17.5 mm width, out-
put-loop powered,
for transmitting and isolat-
ing 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 In-

put 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 cur-

rent loopAmbient tem-

perature range 0°C...

+55 °C

Isolation

EN 50178 , 2-way isola-

tion up to 4 kV AC/DC

Test volt-

age 4 kV

Rated

voltage

300 V AC/DC at

overvoltage category III

and pollution degree 2

Approvals cULus

Type-

CCC 20LP

Short specification

WAS5

Standard signal splitter, output-loop powered
1-channel signal split-
ter in 17.5 mm width,
output-loop powered,
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

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Technical data

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.

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity

[Application notes – Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[Instruction sheet](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

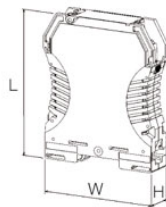
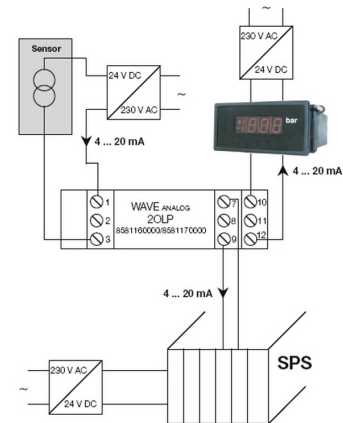
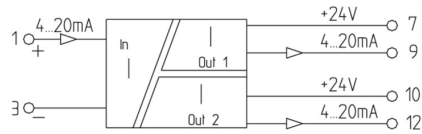
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Drawings

Connection diagram



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www.weidmueller.com**Accessories****2.5 mm²**

2.5
mm²

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

General ordering data

Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 SW	Version
Order No.	1718080000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349301	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 RT	Version
Order No.	1717900000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349288	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 BL	Version
Order No.	1717990000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349295	
Qty.	60 pc(s).	

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www.weidmueller.com**Accessories****Blank**

WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 10/5 MC NE WS	Version
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 pc(s).	