

ACT20P-RS232-RS485/422-S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

The interface converter is intended for use in RS232/RS485/422 systems in an industrial environment. Depending on the use case, different functions can be realised with the device, see section "Applications".

General ordering data

Version	Serial interface converter, Input : serial RS232 signal, Output : RS485/422, Voltage supply: 24 V DC $\pm 20\%$
Order No.	3027140000
Type	ACT20P-RS232-RS485/422-S
GTIN (EAN)	4099986959545
Qty.	1 pc(s).
Addressing	automatic
Assignment	DTE/DCE switchable with DIP switch
Baud rate	2.4 / 4.8 / 9.6 / 19.2 / 57.6 / 115.2 kBaud
Bit delay	$\leq 3\ \mu\text{s}$
Bit distortion	$<5\%$
Communication connection type	Bi-directional SUB-D9 (plug, M3)
Control of data direction	Automatic or via RS232 RTS/CTS
Number of devices on the bus	32

Creation date April 22, 2025 11:14:22 PM CEST

Catalogue status 22/04/2025 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Depth	114.2 mm	Depth (inches)	4.496 inch
Height	117.2 mm	Height (inches)	4.614 inch
Width	22.5 mm	Width (inches)	0.886 inch
Net weight	153 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-20 °C...70 °C
Humidity	5...95 %, no condensation		

Input

Type	RS232
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General data

Applications	Convert RS232 signal to RS485/422 signal, Realization of longer cable lengths with RS485, Networking with multiple participants	Configuration	
Galvanic isolation	3-way isolator	Installation advice	DIP switch Indoors only
Nominal power consumption	1.2 VA	Operating altitude	≤ 2000 m
Power consumption	≤ 1.5 W	Protection degree	IP20
Rail	TS 35	Voltage supply	24 V DC ± 20 %

Insulation coordination

EMC standards	EN 61326	Galvanic isolation	3-way isolator
Insulation voltage input or output/supply	2 kV DC / 1 min.	Pollution severity	2
Surge voltage category	II		

Connection data

Type of connection	Screw connection	Stripping length, rated connection	8 mm
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.6 Nm
Wire connection cross section, finely stranded, min.	0.2 mm ²	Wire connection cross section, finely stranded, max.	2 mm ²
Wire cross-section, finely stranded, min. (AWG)	AWG 24	Wire cross-section, finely stranded, max. (AWG)	AWG 14

Classifications

ETIM 6.0	EC000310	ETIM 7.0	EC000310
ETIM 8.0	EC000310	ETIM 9.0	EC000310
ETIM 10.0	EC000310	ECLASS 9.0	19-17-92-90
ECLASS 9.1	27-21-01-90	ECLASS 10.0	19-17-92-90
ECLASS 11.0	19-17-90-90	ECLASS 12.0	27-06-03-20
ECLASS 13.0	27-06-03-20	ECLASS 14.0	27-06-03-20
ECLASS 15.0	27-06-03-20		

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www.weidmueller.com**Technical data****Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

Important note

Product information	The interface converter is intended for use in RS232/RS485/422 systems in an industrial environment. Depending on the use case, different functions can be realised with the device, see section "Applications".
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Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	UL-Certificate for Canada UL-Certificate for US Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

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