

TRANSCLINIC 16I+ 1K5 L**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**String monitoring with Transclenic xi+
A system that permanently monitors the
performance of photovoltaic facilities.**

The Transclenic xi+ series continuously monitors the power from single strings or groups of strings as well as the voltage of a Photovoltaic system and thereby permits detailed monitoring of the system. Negative influences, which lead to reduced output, can be detected immediately allowing rapid repairs or adjustments to be made to the system.

General ordering data

Version	Photovoltaics, Current monitoring, 16-channel, 1500 V
Order No.	2433950000
Type	TRANSCLINIC 16I+ 1K5 L
GTIN (EAN)	4050118444513
Qty.	1 pc(s).

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Height	92.2 mm	Height (inches)	3.63 inch
Width	109.5 mm	Width (inches)	4.311 inch
Length	368.9 mm	Length (inches)	14.524 inch
Net weight	939.34 g		

Temperatures

Continuous operating temp., min.	-25 °C	Continuous operating temp., max.	70 °C
Humidity at operating temperature	5 to 95 % (non-condensing)		

Technical data

Communication	MODBUS RS485 RTU	Height	≤ 2000 m
Maximum current per string	15 A DC (-25...+70 °C), 25 A DC (-25...+60 °C)	Maximum number of strings	16
Number of digital inputs	2	Pollution severity	2
Rated voltage	1500 V DC	Standards	IEC/ EN61010-1:2010, IEC/ EN61010-2-030:2010, EN61326-1:2013
String-current measurement error	± 300 mA from 3 A DC to 15 A DC	String-voltage measurement error	± 18 V from 150 V DC to 1,500 V
Supply current	< 70 mA DC, 200 mA DC max.	Voltage supply	19.2 – 28.8 V DC
current measuring	Shunt resistance 1 mOhm		

Classifications

ETIM 6.0	EC002928	ETIM 7.0	EC002928
ETIM 8.0	EC002928	ECLASS 9.0	22-57-92-03
ECLASS 9.1	22-57-04-90	ECLASS 10.0	22-57-04-90
ECLASS 11.0	22-57-02-92	ECLASS 12.0	22-57-02-92

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	TRANSCLINIC 16I+ 1K5 L
Engineering Data	CAD data – STEP
User Documentation	Manual Transclinic 16i+ family
Catalogues	Catalogues in PDF-format

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Drawings

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