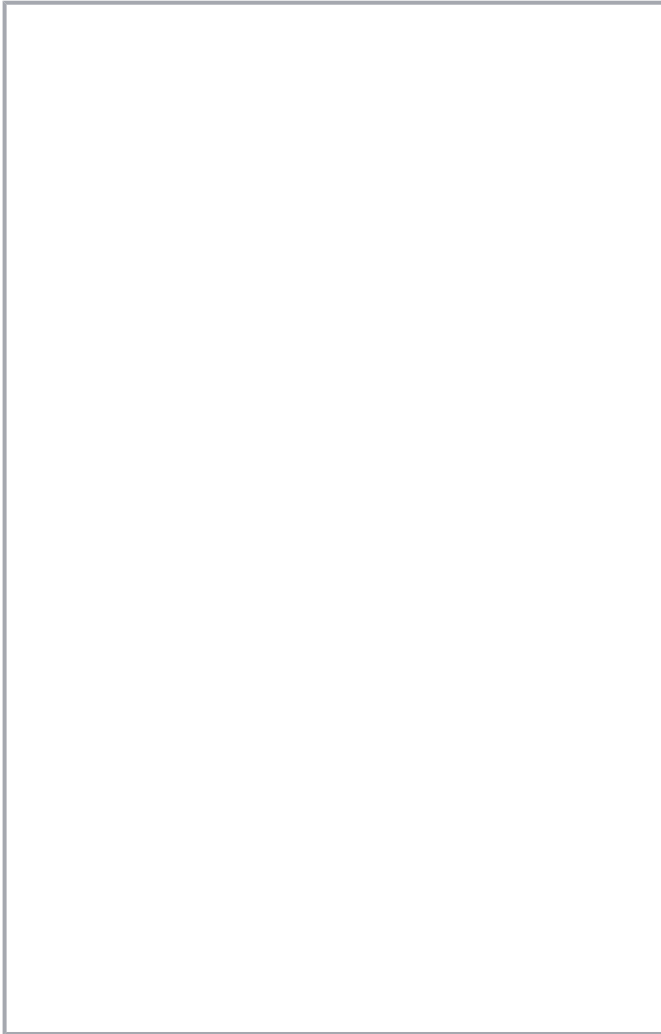


Data sheet | Item number: 789-622

Current signal conditioner; Current input signal: 50 AAC; Modbus RTU;

Supply voltage: 24 VDC; Module width: 35 mm

www.wago.com/789-622



Item description

Short description:

WAGO's intelligent current sensor monitors AC currents and is mounted on DIN-35 rail.

Data

Technical data

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Input

Input signal type	Current
Resolution [bit]	14 bits
Measured variable	Current
Input signal (current)	AC 0 ... 50 A

Output – MODBUS

Number of devices (max.)	32
Connector	RJ-45
Bus length (max.)	1200 m
Terminating resistor	150 Ω (can be activated via DIP switch 1)

Communication

Communication	Modbus RTU
Interface	RS-485
Transmission channels	Half duplex; 8-bit data; 1 stop bit
Number of devices (max.)	32
Parity	Even
Terminating resistor	150 Ω (can be activated via DIP switch 1)
Bus length (max.)	≤ 1200 m
Baud rate	19.2 kBd

Measurement error

Transmission error (typ.)	1 % (typ.); 3 % (max.) of upper-range value (at room temperature)
Temperature coefficient	≤ 0.01 %/K

Power supply

Nominal supply voltage U_S	DC 24 V
Current consumption at nominal supply voltage	≤ 8 mA

Safety and protection

Protection type	IP20
-----------------	------

Subject to changes. Please also observe the further product documentation!



Connection data

Feedthrough for measurement conductor	Ø 15 mm
Connector	RJ-45

Physical data

Width	35 mm / 1.378 inches
Height	90 mm / 3.543 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches

Mechanical data

Mounting type	DIN-35 rail
Housing design	DIN-rail-mount enclosure

Material data

Fire load	0.283 MJ
Weight	77.2 g

Environmental requirements

Ambient temperature (operation)	-20 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C

Standards and specifications

Conformity marking	CE
EMC immunity to interference	EN 61000-6-2
EMC emission of interference	EN 61000-6-4
Standards/specifications	DIN EN 50178

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-21-01-23
eCl@ss 9.0	27-21-01-23
ETIM 8.0	EC002475
ETIM 7.0	EC002475
Recupel Type	

Subject to changes. Please also observe the further product documentation!



PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
Customs tariff number	85437090300

Environmental Product Compliance

CAS-No.	1303-86-2 1317-36-8 693-98-1 7439-92-1 75980-60-8 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 2-methylimidazole Diboron trioxide Lead Lead monoxide Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-
RoHS Compliance Status	Compliant, With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	bb694884-3b75-466d-b25c-d1508336f8c8
SCIP notification number (Belgium)	9608bd87-8285-473d-9ae7-f40452779e22
SCIP notification number (Bulgaria)	bff72e14-4f7f-464d-aeb1-9ae6795be378
SCIP notification number (Czech Republic)	2e7080d2-3286-4942-b074-2c2d040cfab3
SCIP notification number (Denmark)	a2a89f30-d51c-4f3f-a9cc-67a8c17949c6
SCIP notification number (Finland)	c6281fb7-616a-4a12-8929-e5946ee21b69
SCIP notification number (France)	e227b69f-504c-4880-bed4-bfc29c2e0b53
SCIP notification number (Germany)	ed27cc37-e5e7-4e8f-886b-da3f5392e4d6
SCIP notification number (Hungary)	b7d62313-a72e-467e-9fd4-b28c10aeffbc
SCIP notification number (Italy)	69fd3825-e613-4b1f-9375-abd05d68b9ce
SCIP notification number (Netherlands)	4bcea46f-9970-43bc-b839-af586e763f40
SCIP notification number (Poland)	effb8a89-418f-419f-ae7d-852495d291b2
SCIP notification number (Romania)	976b857e-0e78-4294-a00e-1d66170150f9
SCIP notification number (Sweden)	02f0ffe5-8218-4b40-a4df-b24cfa363753

Standards and specifications

Standards/specifications	DIN EN 50178
--------------------------	--------------

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Commercial data

eCl@ss 9.0

ETIM 8.0

ETIM 7.0

Customs tariff number

Technical data

Input

Input signal type	Current
Input signal (current)	AC 0 ... 50 A

Power supply

Supply voltage range	12 ... 34 VDC
----------------------	---------------

Mechanical Data

Mounting type	DIN-35 rail
---------------	-------------

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.B.00087/19

Optional accessories

Interface module

Interface module

Item no.: 289-965 Interface module; 2xRJ-45; PCB terminal blocks, double-row; in mounting carrier	www.wago.com/289-965
Item no.: 289-966 Interface module; 2xRJ-45; PCB terminal blocks, double-row; in mounting carrier; with shield connection	www.wago.com/289-966

Cables and pluggable connectors

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Connector plug

Item no.: 750-975

ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

www.wago.com/750-975

Downloads

Documentation

Bid Text

789-622 docx - Datei	2019 年7月18 日	docx 16.2 kB	Download
789-622 X81 - Datei	2019 年7月18 日	xml 4.8 kB	Download

Instruction Leaflet

Stromsensor, AC 0...50A		pdf 1.7 MB	Download
-------------------------	--	---------------	----------

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
---	-------------------------	---------------	----------

CAD/CAE-Data

CAE data

EPLAN Data Portal 789-622		URL	Download
ZUKEN Portal 789-622		URL	Download
WSCAD Universe 789-622		URL	Download

CAD data

2D/3D Models 789-622		URL	Download
----------------------	--	-----	----------

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 789-622

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.

Data sheet | Item number: 789-622

www.wago.com/789-622



[URL](#)

[Download](#)

Current signal conditioner; Current input signal: 50 AAC; Modbus RTU; Supply voltage: 24 VDC; Module width: 35 mm

Installation Notes

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.