Data Sheet | Item Number: 789-622

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

https://www.wago.com/789-622





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

Technical data

Input

Input signal type	Current
Resolution [bit]	14 bits
Measured variable	Current
Input signal (current)	0 … 50 AAC

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

Communications	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
Transmission 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	24 VDC
Current consumption at nominal supply voltage	≤ 8 mA

Safety and protection

Protection type	IP20

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	0.281 MJ
Weight	62.6 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)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
Customs tariff number	85437090300

Product Classification

UNSPSC	41113630
eCl@ss 10.0	27-21-01-23
eCl@ss 9.0	27-21-01-23
ETIM 9.0	EC002475
ETIM 10.0	EC002475
ECCN	NO US CLASSIFICATION

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Environmental Product Compliance

CAS-No.	1303-86-2 1317-36-8 7439-92-1 75980-60-8 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 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

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 789-622

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Documentation

Bid Text

789-622	18.07.2019	xml 4.64 KB	
789-622	18.07.2019	docx 15.80 KB	

Instruction Leaflet

Stromsensor, AC 0...50A	pdf 1668.01 KB	

CAD/CAE-Data

CAD data

2D/3D Models 789-622

CAE data

EPLAN Data Portal
789-622

WSCAD Universe
789-622

ZUKEN Portal 789-622

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Connector plug



Item No.: 750-975
ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

1.1.2 Interface module

1.1.2.1 Interface module



Item No.: 289-965
Interface module; 2xRJ-45; PCB terminal blocks, double-row; in mounting carrier



Item No.: 289-966
Interface module; 2xRJ-45; PCB terminal blocks, double-row; in mounting carrier; with shield connection