



Short description:

WAGO's digital manually operated module (789-810) monitors 0 ... 3 inputs and signals their status via green LED and the power relay's changeover contact. Depending on both the manual/automatic switch and watchdog input, the states 0 or 1 are transmitted (electrically isolated) via relay to the output.

Electrical data

Nominal operating voltage	24 VDC
Operating voltage range	±20 %
Inputs	No. 1 / 10: 24 V; Operating voltage supply No. 2: GND No. 3 / 4 / 5 / 6: DI-0 ... 3; Input 0 ... 3; 24 V / max. 20 mA No. 11: WD-IN; Watchdog input; 24 V / max. 20 mA
Outputs	No. 7: H-C; Manual operation; "closed" No. 8: H-CM; Manual operation; "common" No. 9: H-O; Manual operation; "open" No. 12 / 15 / 18 / 21: GND No. 13 / 16 / 19 / 22: AO-0 ... 3; Output 0 ... 3; 0 ... 10 V / max. 20 mA No. 14 / 17 / 20 / 23: GND

Safety and protection

Dielectric strength, input/output (AC, 1 min)	4 kVrms
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Connection Data

Connection 1

Connection type	Input
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 734 Series
Solid conductor	0.08 ... 1.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 1.5 mm ² / 28 ... 14 AWG
Strip length	7 mm / 0.28 inches

Connection 2

Connection type	Output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 231 Series
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data

Width	106 mm / 4.173 inches
Height	90 mm / 3.543 inches
Depth from upper-edge of DIN-rail	58 mm / 2.283 inches

Mechanical data

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

Material data

Fire load	0.446 MJ
Weight	251.6 g

Environmental requirements

Ambient temperature (operation)	0 ... +50 °C
Ambient temperature (storage)	-25 ... +70 °C

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	3 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821108849
Customs tariff number	85389091890

Product Classification

UNSPSC	39121521
eCl@ss 10.0	27-37-12-16
eCl@ss 9.0	27-37-12-16
ETIM 9.0	EC000225
ETIM 10.0	EC000225
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	1303-86-2 1317-36-8
REACH Candidate List Substance	Diboron trioxide Lead monoxide
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	df219052-56bb-4183-87d8-e2b35e3b23cc
SCIP notification number (Belgium)	21f77c9c-0eb9-4809-bcbb-960673659e64
SCIP notification number (Bulgaria)	1dfddab9-8630-498d-8088-097fca55ad70
SCIP notification number (Czech Republic)	f2b72772-a011-461d-84ce-311cb7b5f23e
SCIP notification number (Denmark)	65b78244-c6c5-40cb-9973-4b748a21b42f
SCIP notification number (Finland)	a4bab338-6841-478d-b105-ff91e016bce8
SCIP notification number (France)	efa5fb3a-30ff-4e51-afd1-d0dd62c22df7
SCIP notification number (Germany)	e4a15ca5-2783-48ed-95ee-ab4b972dd2f7
SCIP notification number (Hungary)	b626e93f-4b16-4ef6-940e-6380029e7469
SCIP notification number (Italy)	866d9385-12e2-4d18-a4f7-a118965da531
SCIP notification number (Netherlands)	3265440a-c734-4e9f-a537-9475b8495eb6
SCIP notification number (Poland)	6815cb0b-f922-4310-96f7-425598800e4d
SCIP notification number (Romania)	1d67fcff-98f8-430e-91a8-105f2de7ee48
SCIP notification number (Sweden)	a420c231-65ec-4bbf-b858-673291b3552e

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 789-810	↓
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Documentation

Bid Text

789-810	19.02.2019	xml 4.73 KB	↓
789-810	11.02.2015	doc 26.50 KB	↓

Instruction Leaflet

Operation and Assembly Instructions Interface	V 1.0.0 02.04.2025	pdf 1246.19 KB	↓
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CAD/CAE-Data

CAE data

EPLAN Data Portal 789-810	↓
WSCAD Universe 789-810	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



Item No.: 216-301

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-201

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-241

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-242

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-262

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-243

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item No.: 216-204

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item No.: 216-244

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-284

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

1.1.2 Tool

1.1.2.1 Operating tool



Item No.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured