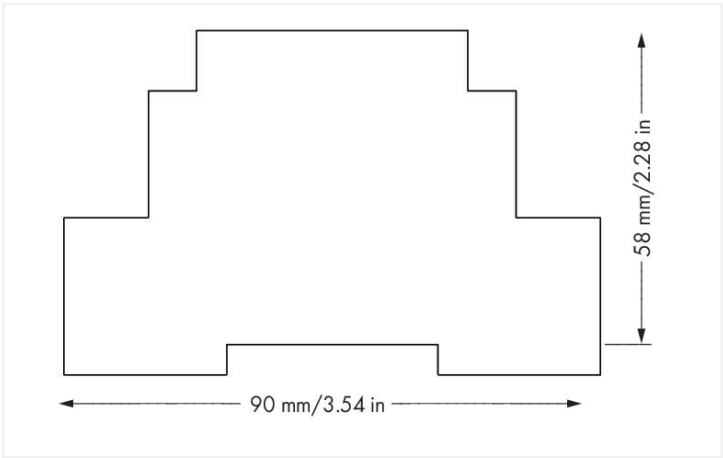
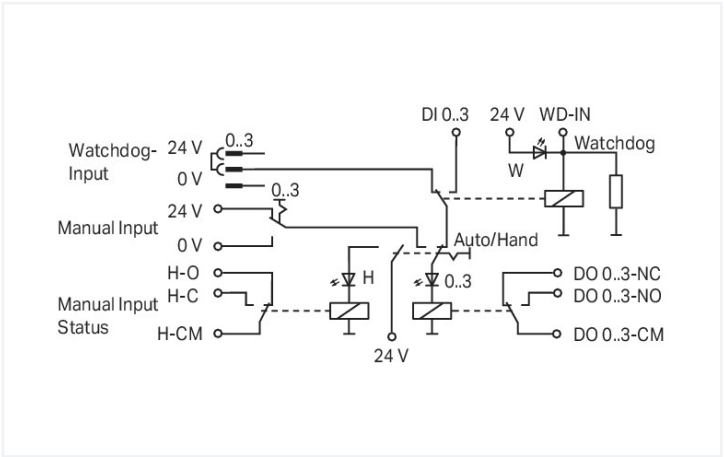




Dimensions in mm

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	DC 24 V
Operating voltage range	±20 %
Inputs	No. 1 / 10: 24 V; Power supply No. 2: GND No. 3 / 4 / 5 / 6: DI-0 ... 3; Input 0 ... 3; 24 V / 20 mA (max.) No.11: WD-IN; Watchdog input; 24 V / 20 mA (max.)
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 / 20 mA (max.) 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 type 1	Input
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 734 Series
Solid conductor	0.08 ... 1.5 mm² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 1.5 mm² / 28 ... 14 AWG
Strip length	7 mm / 0.28 inches
Connection type 2	Output
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 231 Series
Solid conductor 2	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length 2	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	0.458 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)
eCl@ss 10.0	27-37-12-16
eCl@ss 9.0	27-37-12-16
ETIM 8.0	EC000225
ETIM 7.0	EC000225
PU (SPU)	3 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821108849
Customs tariff number	85389091890



Environmental Product Compliance	
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(c)-I

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 789-810	

Documentation

Bid Text			
789-810	19.02.2019	xml 4.73 KB	
789-810	11.02.2015	doc 26.50 KB	

Instruction Leaflet	
pdf 1246.19 KB	

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.: 216-321 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.: 216-322 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise
 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.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	 Item No.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; 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.: 216-222 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



1.1.1.1 Ferrule



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.: 216-223
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.: 216-224
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