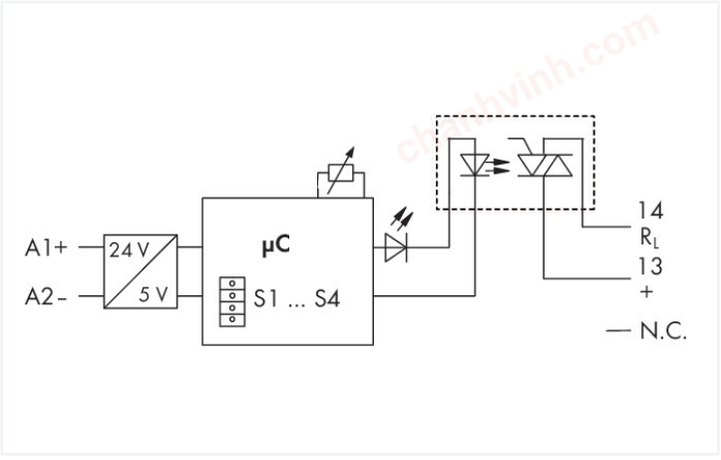
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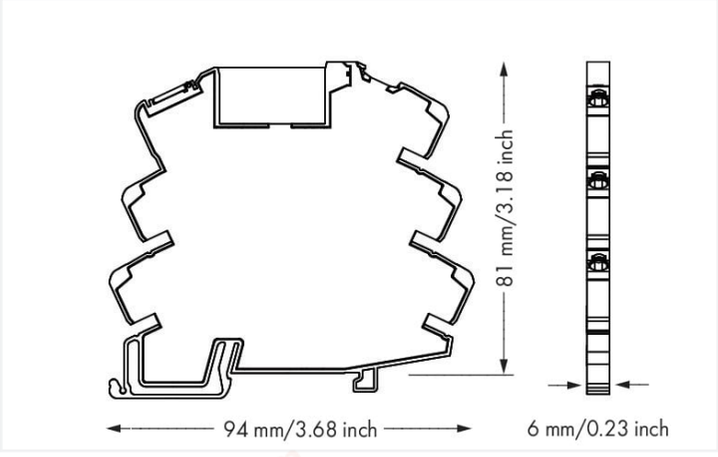
Data Sheet | Item Number: 857-634

Solid-state timer relay module; Nominal input voltage: 24 VDC; Output voltage range: 24 … 230 VAC; Limiting continuous current: 1 A; 2-wire connection; Multifunction/Multitime; Yellow status indicator; Module width: 6 mm

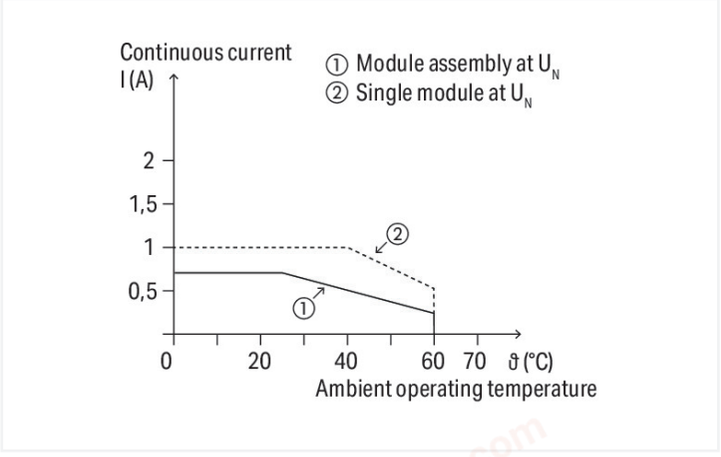
https://www.wago.com/857-634







Dimensions in mm



Current-carrying capacity curve

Features:

- 4 functions
- Function and time range adjustable via DIP switch

Notes

Note	Optocouplers and solid state relays are designed for use in signal processing networks, which are not supplied by the low-voltage power supply networks.

Technical data

Control circuit

Nominal input voltage U_N	DC 24 V
Input voltage range	-15 … +30 %
Nominal input current at U_N	10 mA
Time range	adjustable: 0.1 … 10 s; 3 … 300 s; 0.3 … 30 min; 3 … 300 min
Reset time	50 ms
Repeat accuracy	1 %

Control circuit

Functions	On-delay Single-shot leading edge On-delay and single-shot leading edge (1 s fixed) Flashing

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Load circuit

Circuit type	2-wire connection Zero-voltage switching
Limiting continuous current	1 A
Nominal output voltage	AC 230 V
Output voltage range	AC 24 … 240 V
Voltage drop	≤ 1 VAC
Leakage current at rated voltage	≤ 1.5 mA
Switching current (min.)	10 mA
Turn-on time	≤ 10 ms
Turn-off time	≤ 10 ms

Signaling

Status indicator	Yellow LED

Safety and protection

Dielectric strength (control/load circuit) (AC, 1 min)	3.75 kVrms
Protection type	IP20

Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor	0.34 … 2.5 mm² / 22 … 14 AWG
Strip length	9 … 10 mm / 0.35 … 0.39 inches

Physical data

Width	6 mm / 0.236 inches
Height	94 mm / 3.701 inches
Depth from upper-edge of DIN-rail	81 mm / 3.189 inches

Mechanical data

Mounting type	DIN-35 rail

Material data

Fire load	0.548 MJ
Weight	29.5 g

Environmental requirements

Ambient temperature (operation at U_N)	-20 … +60 °C
Ambient temperature (storage)	-40 … +70 °C
Processing temperature	-25 … +50 °C
Relative humidity	5 … 85 % (no condensation permissible)
Operating altitude (max.)	2000 m

Continued on next page

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Standards and specifications

Standards/specifications	EN 61812-1 EN 61373 EN 50121-3-2

Basic relay

WAGO Basic Relay	857-167

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-16-05
eCl@ss 9.0	27-37-16-05
ETIM 8.0	EC001439
ETIM 7.0	EC001439
PU (SPU)	1 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4050821565697
Customs tariff number	85364900990

Environmental Product Compliance

CAS-No.	11120-22-2 1303-86-2 1317-36-8 7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Diboron trioxide Lead Lead monoxide Lead silicate
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	6a8fdd02-b973-401c-943a-5ea065c1ce76
SCIP notification number (Belgium)	30ed19af-55ee-4032-be8f-fbbe2a64b463
SCIP notification number (Bulgaria)	7d421894-948e-4994-b0d6-9c53b0383f08
SCIP notification number (Czech Republic)	31d2defc-c00c-4dfb-a4f2-b79ccb84dc6b
SCIP notification number (Denmark)	fd25181f-1d4c-40af-868f-8821a347e348
SCIP notification number (Finland)	8215fdac-303f-4ba8-9658-9a0e07df2d27
SCIP notification number (France)	fe6e7c18-50ee-48ad-b6ca-5ed13fed7d26
SCIP notification number (Germany)	ba4b6ffc-cfaa-4eeb-83ed-309588d5bd0f
SCIP notification number (Hungary)	305e58da-b242-4b12-b93a-e106813d5312
SCIP notification number (Italy)	1339d249-b2c7-4ee9-aeef-dd8894472324
SCIP notification number (Netherlands)	eb76f103-5a71-4e36-b357-05d9119d7a23
SCIP notification number (Poland)	fd7de987-0d54-470a-8a79-da50244234ac
SCIP notification number (Romania)	9d825f84-3ffa-4104-bac4-a75ce62468fb
SCIP notification number (Sweden)	8b1565da-94bb-43bd-aebf-98cd465131aa

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Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs-stelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122/19
UL Underwriters Laboratories Inc. (ORDINARY LOCATI-ONS)	UL 508	E175199 Sec.4

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 857-634

Documentation

Bid Text

857-634	19.02.2019	xml 4.68 KB
857-634	20.02.2019	docx 16.94 KB

Instruction Leaflet

Zeitrelaismodul; Ein-gangsnennspannung DC 24 V	V 2.0.0 10.03.2022	pdf 2021.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 857-634

CAE data

EPLAN Data Portal 857-634

WSCAD Universe 857-634

ZUKEN Portal 857-634

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic solid-state relay



Item No.: 857-167
Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range: 24 … 240 VAC; Limiting continuous current: 2 A

1.1.2 Ferrule

1.1.2.1 Ferrule

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.: 216-243
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.: 216-244
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

1.1.3 Jumper

1.1.3.1 Jumper



Item No.: 281-482
Jumper; 2-way; insulated; gray



Item No.: 859-410/000-006
Jumper; for jumper slot; 10-way; insulated; blue



Item No.: 859-410
Jumper; for jumper slot; 10-way; insulated; light gray



Item No.: 859-410/000-005
Jumper; for jumper slot; 10-way; insulated; red



Item No.: 859-410/000-029
Jumper; for jumper slot; 10-way; insulated; yellow



Item No.: 859-402/000-006
Jumper; for jumper slot; 2-way; insulated; blue

Item No.: 859-402
Jumper; for jumper slot; 2-way; insulated; light gray



Item No.: 859-402/000-005
Jumper; for jumper slot; 2-way; insulated; red



Item No.: 859-402/000-029
Jumper; for jumper slot; 2-way; insulated; yellow



Item No.: 859-403/000-006
Jumper; for jumper slot; 3-way; insulated; blue



Item No.: 859-403
Jumper; for jumper slot; 3-way; insulated; light gray



Item No.: 859-403/000-005
Jumper; for jumper slot; 3-way; insulated; red



Item No.: 859-403/000-029
Jumper; for jumper slot; 3-way; insulated; yellow



Item No.: 859-404/000-006
Jumper; for jumper slot; 4-way; insulated; blue



Item No.: 859-404
Jumper; for jumper slot; 4-way; insulated; light gray



Item No.: 859-404/000-005
Jumper; for jumper slot; 4-way; insulated; red



Item No.: 859-404/000-029
Jumper; for jumper slot; 4-way; insulated; yellow



Item No.: 859-405/000-006
Jumper; for jumper slot; 5-way; insulated; blue



Item No.: 859-405
Jumper; for jumper slot; 5-way; insulated; light gray



Item No.: 859-405/000-005
Jumper; for jumper slot; 5-way; insulated; red



Item No.: 859-405/000-029
Jumper; for jumper slot; 5-way; insulated; yellow



Item No.: 859-406/000-006
Jumper; for jumper slot; 6-way; insulated; blue



Item No.: 859-406
Jumper; for jumper slot; 6-way; insulated; light gray



Item No.: 859-406/000-005
Jumper; for jumper slot; 6-way; insulated; red



Item No.: 859-406/000-029
Jumper; for jumper slot; 6-way; insulated; signal yellow



Item No.: 859-407/000-006
Jumper; for jumper slot; 7-way; insulated; blue



Item No.: 859-407
Jumper; for jumper slot; 7-way; insulated; light gray



Item No.: 859-407/000-005
Jumper; for jumper slot; 7-way; insulated; red

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1.1.3.1 Jumper



Item No.: 859-407/000-029
Jumper; for jumper slot; 7-way; insulated; yellow



Item No.: 859-408/000-006
Jumper; for jumper slot; 8-way; insulated; blue



Item No.: 859-408
Jumper; for jumper slot; 8-way; insulated; light gray



Item No.: 859-408/000-005
Jumper; for jumper slot; 8-way; insulated; red



Item No.: 859-408/000-029
Jumper; for jumper slot; 8-way; insulated; yellow



Item No.: 859-409/000-006
Jumper; for jumper slot; 9-way; insulated; blue



Item No.: 859-409
Jumper; for jumper slot; 9-way; insulated; light gray



Item No.: 859-409/000-005
Jumper; for jumper slot; 9-way; insulated; red



Item No.: 859-409/000-029
Jumper; for jumper slot; 9-way; insulated; yellow

1.1.4 Marking

1.1.4.1 Double marker carrier



Item No.: 209-128
Adaptor; gray

1.1.4.2 Group marker carrier



Item No.: 249-105
Group marker carrier; gray

1.1.4.3 Marker

Item No.: 209-183
Marker; white

Item No.: 793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 793-502
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-566
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 793-503
WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 793-504
WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 793-505
WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 793-506
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

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1.1.4.4 Marking device



Item No.: 210-110
Fiber-tip pen

1.1.4.5 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.4.6 Protective marker cover

Item No.: 209-184
Protection cover; transparent

1.1.5 Tool

1.1.5.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured