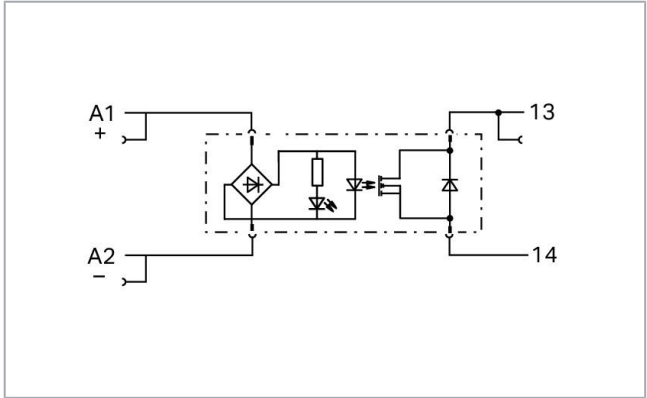
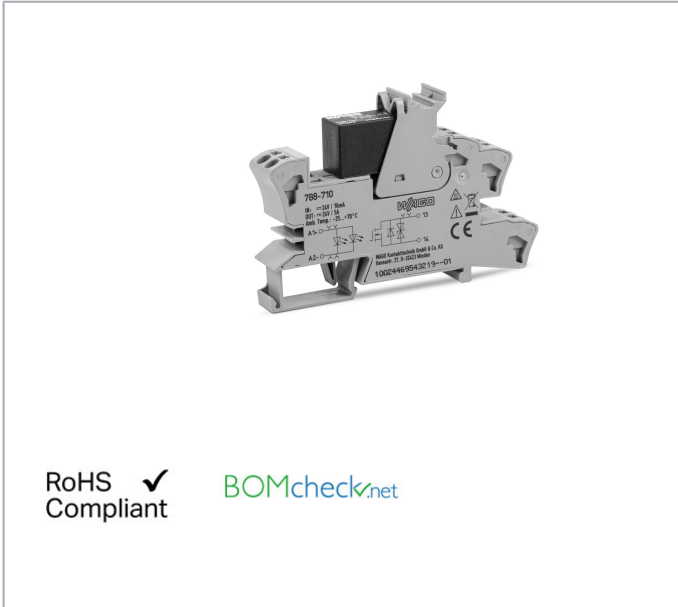


Data sheet | Item number: 788-710

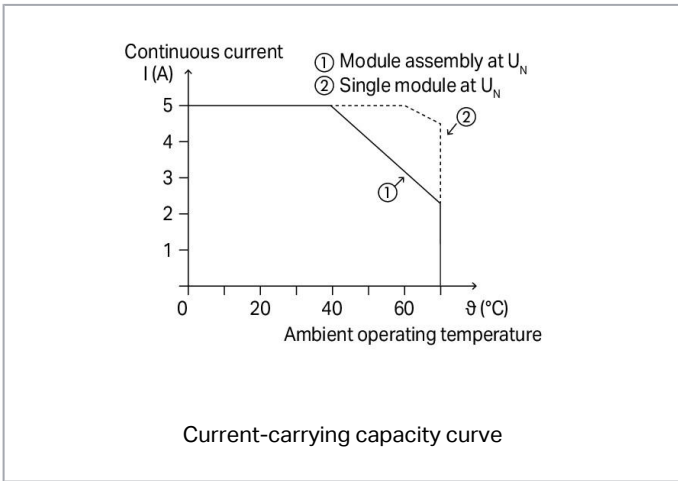
Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 35 VDC; Limiting continuous current: 5 A; 2-wire connection; Green status indicator; Module width: 15 mm



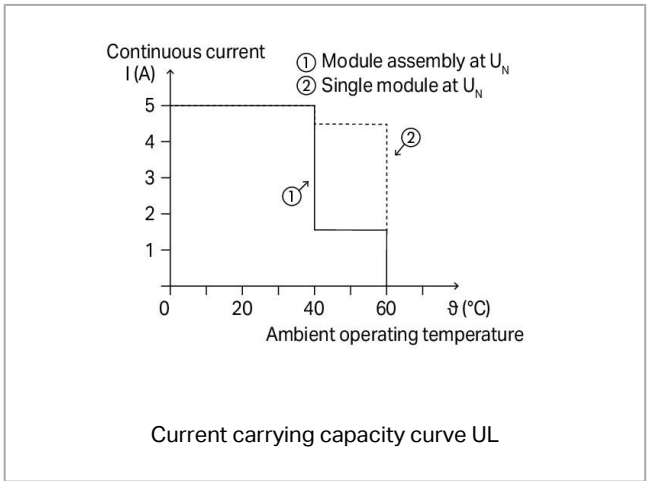
www.wago.com/788-710



RoHS Compliant



Current-carrying capacity curve

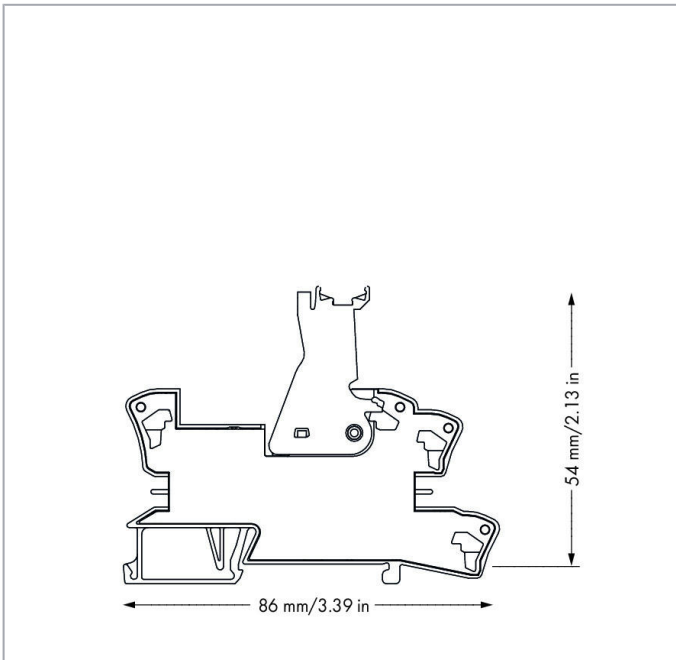


Current carrying capacity curve UL

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

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



Item description

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.

Data

Technical data

Control circuit

Nominal input voltage U_N	DC 24 V
Input voltage range (low level)	DC 0 ... 3 V
Input voltage range (high level)	DC 10 ... 30 V
Nominal input current at U_N	20 mA
Power loss (max.) $P_{I(max)}$	0.5 W

Load circuit

Circuit type	2-wire connection
Limiting continuous current	5 A; 4.5 A (UL)
Nominal output voltage	DC 24 V

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



Output voltage range	DC 0 ... 35 V
Voltage drop at output (max.)	≤ DC 0.3 V
Switching current (min.)	1 mA
Turn-on time	≤ 50 μs
Turn-off time	≤ 250 μs
Switching frequency	≤ 3 kHz

Signaling

Status indicator	Green LED
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Safety and protection

Rated voltage	300 V
Overvoltage category	II
Pollution degree	2
Dielectric strength, control/load circuit (AC, 1 min)	3.51 kVrms
Insulation type (control/load circuit)	Reinforced insulation (safe isolation)
Insulation type (between adjacent devices of the the same type)	Double insulation (safe isolation)
Insulation type (to any type of adjacent devices)	Basic insulation
Protection type	IP20

Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

Physical data

Width	15 mm / 0.591 inch
Height from upper-edge of DIN-rail	54 mm / 2.126 inch
Depth	86 mm / 3.386 inch

Mechanical data

Mounting type	DIN-35 rail
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Subject to changes. Please also observe the further product documentation!

Material data

Fire load	0.645 MJ
Weight	35.4 g

Environmental requirements

Surrounding air temperature (operation at U_N)	-25 ... 70 °C
Surrounding air (operating) temperature for UL	-25 ... 60 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Processing temperature	-25 ... +50 °C
Max. temperature rise of connection cable	35 K
Relative humidity	95% (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and specifications

Standards/Specifications	EN 61010-2-201; EN 61000-6-2; EN 61000-6-3; EN 61373
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Basic relay


WAGO Basic Relay	788-754
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Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055144075366
Customs tariff number	85365005000

Approvals / Certificates








UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199










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

Compatible products


Jumper

	Item no.: 788-113 Jumper; for jumper slot; 2-way; insulated	www.wago.com/788-113
	Item no.: 788-114 Jumper; for jumper slot; 3-way; insulated	www.wago.com/788-114
	Item no.: 788-115 Jumper; for jumper slot; 4-way; insulated	www.wago.com/788-115
	Item no.: 788-116 Jumper; for jumper slot; 6-way; insulated	www.wago.com/788-116
	Item no.: 788-117 Jumper; for jumper slot; 8-way; insulated	www.wago.com/788-117
	Item no.: 788-118 Jumper; for jumper slot; from 1 to 3; insulated	www.wago.com/788-118
	Item no.: 859-402 Jumper; for jumper slot; 2-way; insulated; light gray	www.wago.com/859-402

Marking accessories

	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	Item no.: 209-128 Adaptor; gray	www.wago.com/209-128
	Item no.: 209-183 Marker card; white	www.wago.com/209-183
	Item no.: 210-110 Fiber-tip pen	www.wago.com/210-110
	Item no.: 249-105 Group marker carrier; gray	www.wago.com/249-105
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/793-501
	Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-502
	Item no.: 793-503 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-503
	Item no.: 793-504	

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

 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-504
white


Item no.: 793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-505
white


General accessories

 **Item no.: 209-145**
Group marker carrier; white www.wago.com/209-145


 **Item no.: 209-184**
Protection cover; transparent www.wago.com/209-184


 **Item no.: 788-754**
Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 35 VDC; Limiting continuous current: 5 A; Module width: 12 mm; Module height: 15 mm www.wago.com/788-754


tools


 **Item no.: 210-720**
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured www.wago.com/210-720

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 www.wago.com/216-241

 **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 www.wago.com/216-242

 **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 www.wago.com/216-243

 **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 www.wago.com/216-244

 **Item no.: 216-542**
Twin ferrule; Sleeve for 2 x 1 mm² / AWG 2 x 18; red, insulated; 12 mm long; red www.wago.com/216-542

Downloads

Documentation

Bid Text

788-710 docx - Datei	8. 1. 2019	docx 16.2 kB	Download
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788-710 X81 - Datei	20. 2. 2019	xml 4.5 kB	Download
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Subject to changes. Please also observe the further product documentation!

Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1 9. 10. 2020	pdf 2.3 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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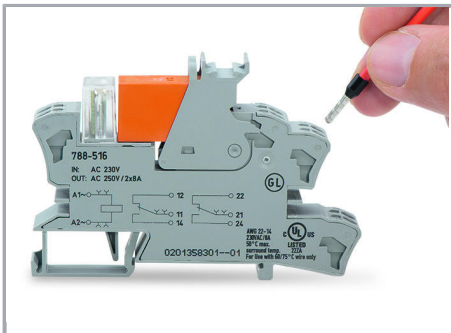
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-710		URL	Download
Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 35 VDC; Limiting continuous current: 5 A; 2-wire connection; Green status indicator; Module width: 15 mm			

Installation Notes

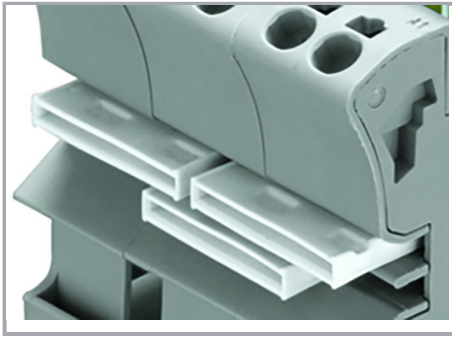
Conductor termination



Conductor termination

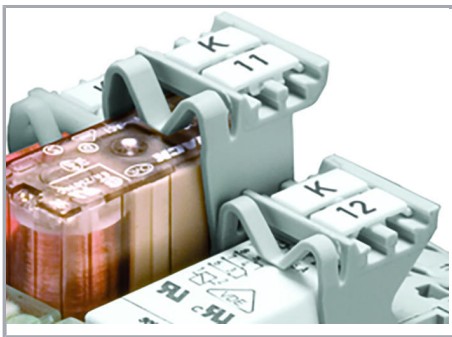
Commoning

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



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.

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