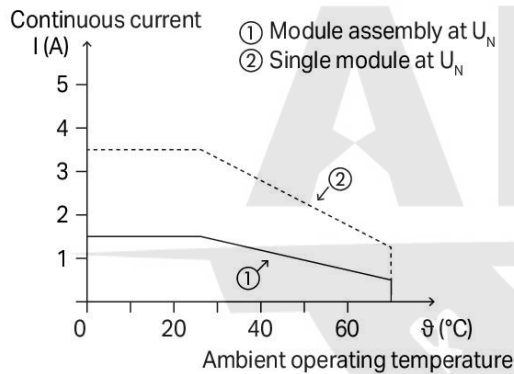
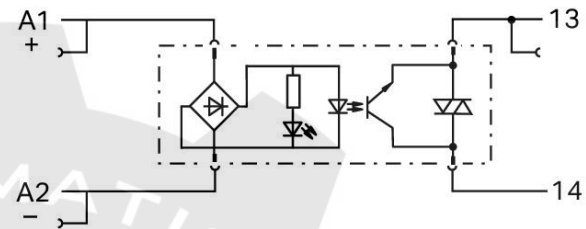
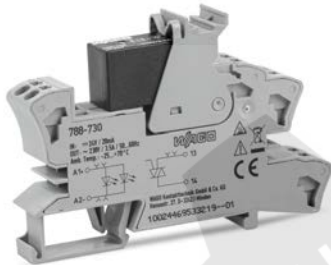


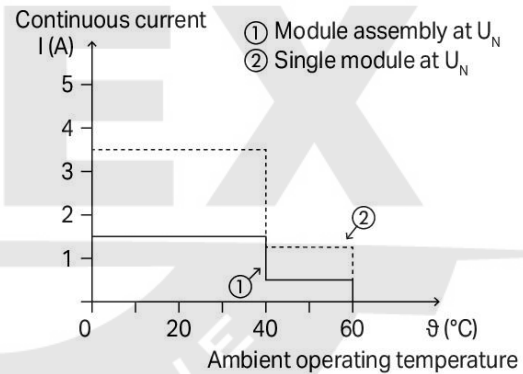
Data sheet | Item number: 788-730

Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 12 ... 275 VAC; Limiting continuous current: 3.5 A; 2-wire connection; zero-cross switching; Green status indicator; Module width: 15 mm

www.wago.com/788-730



Current-carrying capacity curve

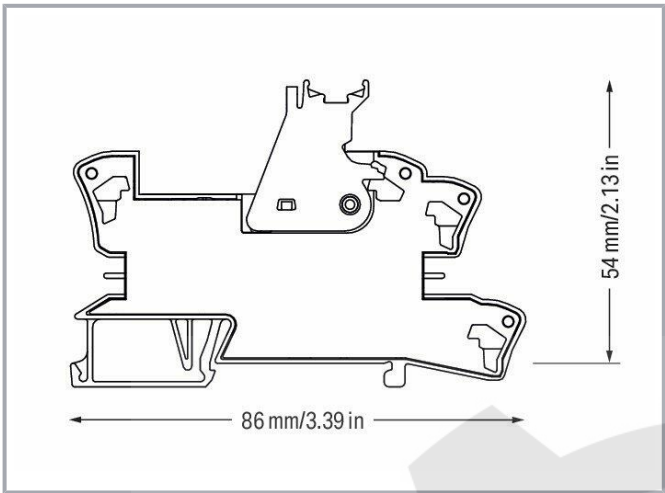


Current carrying capacity curve UL

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

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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 Zero-voltage switching
Limiting continuous current	3.5 A; 1.3 A (UL)
Nominal output voltage	AC 230 V
Output voltage range	AC 12 ... 275 V
Voltage drop at output (max.)	$\leq$ AC 1.1 V

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

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Switching current (min.)	1 mA
Turn-on time	≤ 10 ms
Turn-off time	≤ 10 ms
Switching frequency	50 Hz / 60 Hz

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 mm² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm² / 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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Material data

Weight	41.6 g
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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	788-755
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Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143900263
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

Optional accessories

Tools

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

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**Item no.: 210-720**

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

www.wago.com/210-720**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.: 209-145 Group marker carrier; white	www.wago.com/209-145
	Item no.: 209-183 Marker card; white	www.wago.com/209-183
	Item no.: 209-184 Protection cover; transparent	www.wago.com/209-184
	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 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-504
	Item no.: 793-505 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-505
	Item no.: 859-402 Push-in type jumper bar; Light gray; Insulated; 18 A; 2-position	www.wago.com/859-402

General accessories

	Item no.: 788-755 Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range: 12 ... 275 VAC; Limiting continuous current: 3 A; Module width: 12 mm; Module height: 15 mm	www.wago.com/788-755
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Jumpers

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

**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**Ferrules****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; whitewww.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; graywww.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; redwww.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; blackwww.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; redwww.wago.com/216-542**Downloads****Documentation****Bid Text**

788-730

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Instruction Leaflet

Sockets with Elementary Relay/ SSR

V 1.0.1

Oct 9, 2020

pdf

2.3 MB

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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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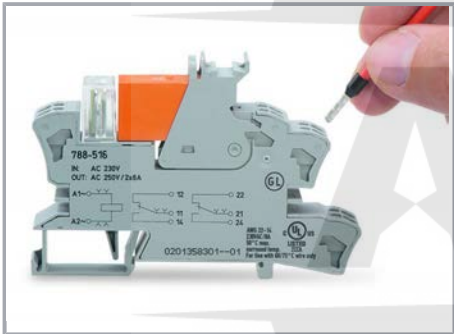
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-730	URL	Download
Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 12 ... 275 VAC; Limiting continuous current: 3.5 A; 2-wire connection; zero-cross switching; Green status indicator; Module width: 15 mm		

Installation Notes

Conductor termination



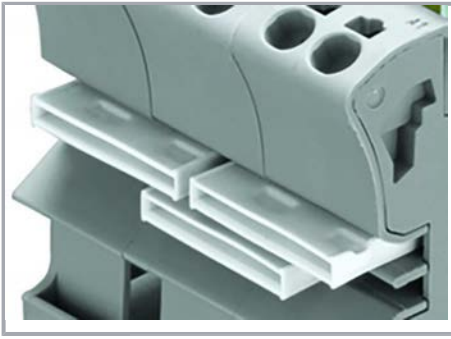
Conductor termination

Commoning

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

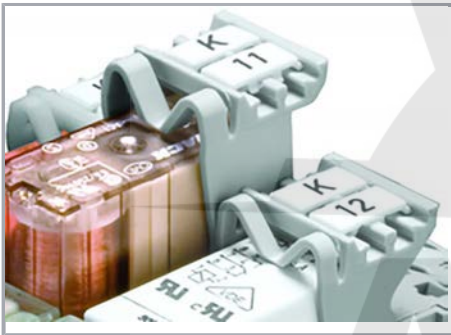
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Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.

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