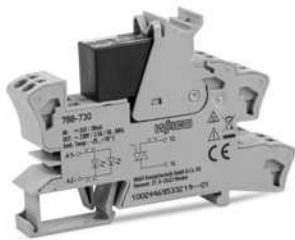


Data sheet | Item number: 788-730

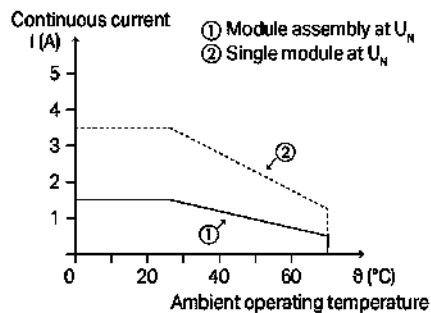
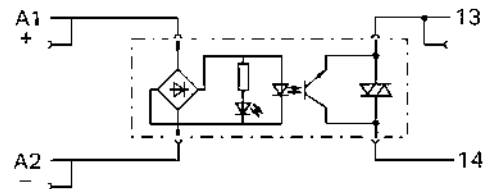
Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 12 ... 275 VAC; Limiting continuous current: 3.5 A; 2-wire connection; zero-cross switching; Green status indicator; Module width: 15 mm

www.wago.com/788-730

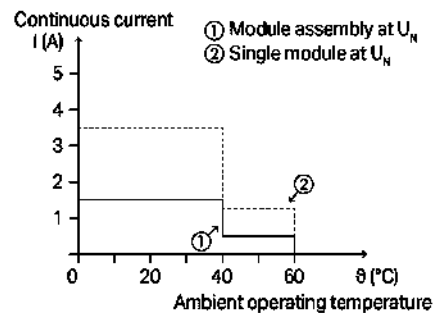


RoHS
Compliant

BOMcheck.net



Current-carrying capacity curve

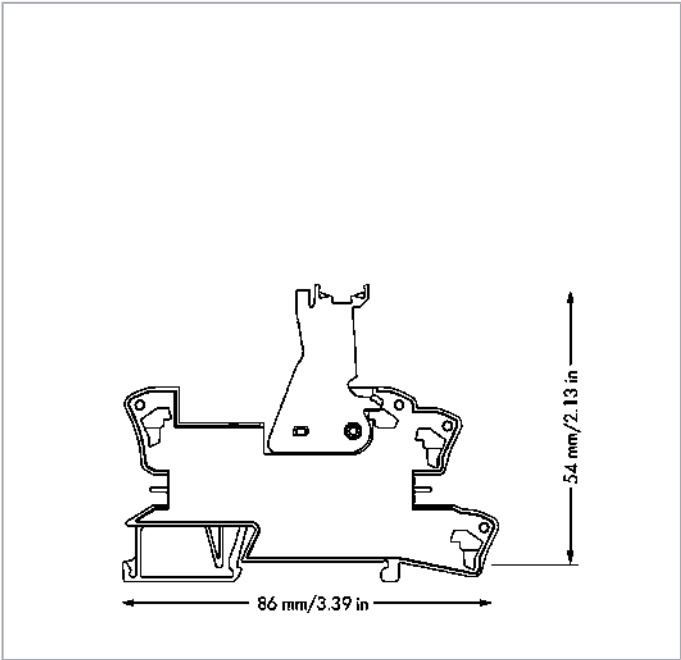


Current-carrying capacity curve for UL

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)

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

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Nominal output voltage	AC 230 V
Output voltage range	AC 12 ... 275 V
Voltage drop at output (max.)	≤ AC 1.1 V
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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Subject to changes. Please also observe the further product documentation!

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Material Data

Weight	41.6 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
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

Counterpart

Compatible products

General accessories



Item no.: 209-128
Adaptor; gray

www.wago.com/209-128

Item no.: 209-145

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

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Group marker carrier; white

www.wago.com/209-145**Item no.: 209-184**

Protection cover; transparent

www.wago.com/209-184**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**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.: 209-183**

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**

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**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**Jumper****Item no.: 788-113**

Jumper; for jumper slot; 2-way; insulated

www.wago.com/788-113

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

	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
ferrule		
	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 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 mm ² / 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 mm ² / 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 mm ² / 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 mm ² / AWG 2 x 18; red, insulated; 12 mm long; red	www.wago.com/216-542

Downloads

Documentation

Bid Text

788-730 docx - Datei	Jan 8, 2019	docx 16.4 kB	Download
788-730 X81 - Datei	Feb 20, 2019	xml 4.6 kB	Download

Instruction Leaflet

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

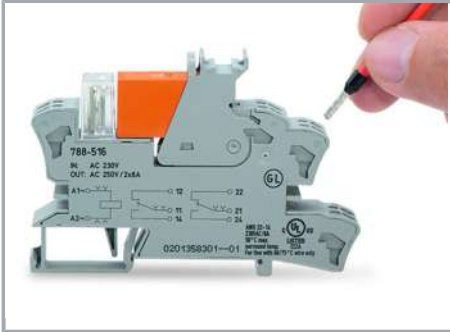
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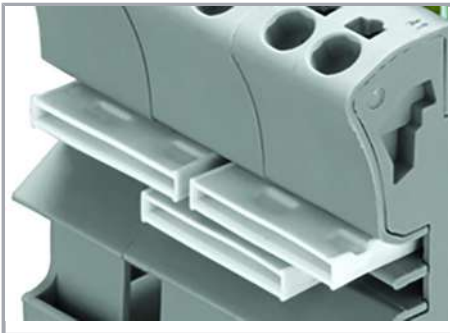
Installation Notes

Conductor termination



Connection of conductor

Commoning



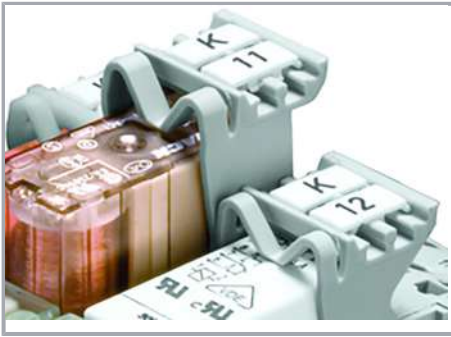
Easy commoning using adjacent jumpers

Marking

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

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Marking using WMB Multi markers and group marker carriers

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