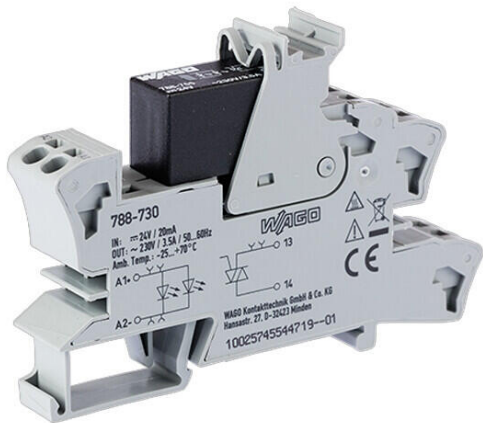


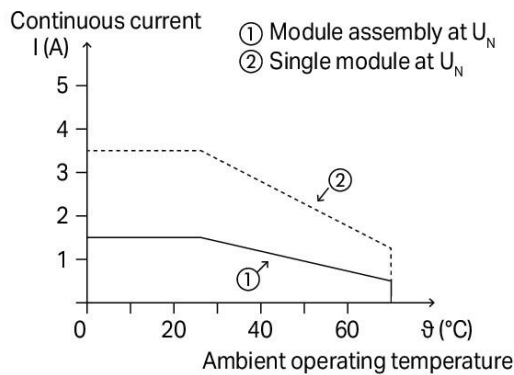
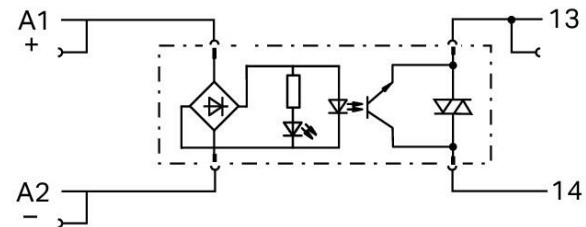
Data sheet | Item number: 788-730

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

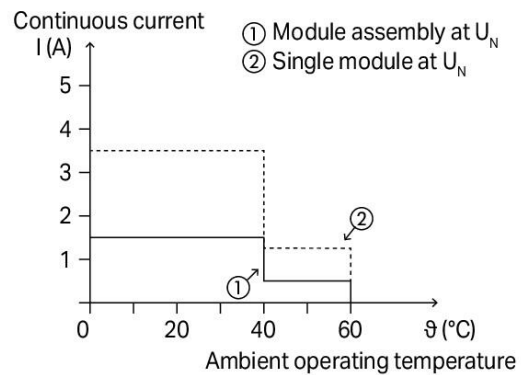
www.wago.com/788-730



Color: ■



Current-carrying capacity curve

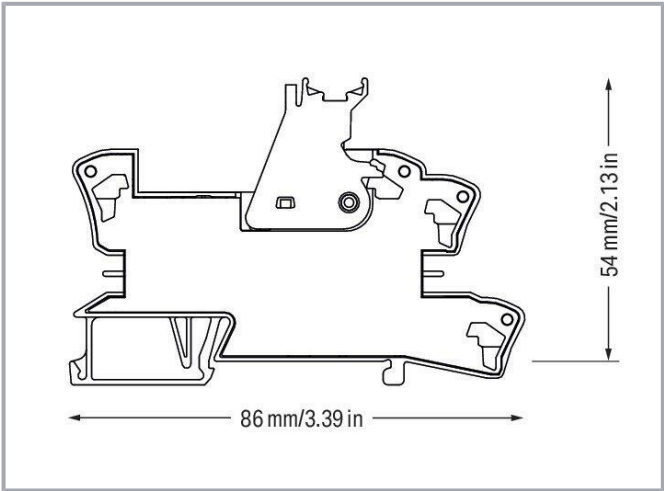


Current carrying capacity curve UL

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

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Data
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 (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
Voltage drop	$\leq$ 1.1 VAC

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 same type)	Double insulation (safe isolation)
Insulation type (to adjacent devices of different types)	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 inches

Physical data

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

Mechanical data

Mounting type	DIN-35 rail
---------------	-------------

Material data

Color	gray
Fire load	0.648 MJ

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



Weight	41.6 g
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Environmental requirements

Ambient temperature (operation at U_N)	-25 ... +70 °C
Ambient temperature UL (operation at U_N)	-25 ... +60 °C
Ambient temperature (storage)	-40 ... +85 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	$\geq (T_{\text{ambient}} + 35 \text{ K})$
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

ETIM 8.0	EC001504
ETIM 7.0	EC001504
PU (SPU)	8 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143900263
Customs tariff number	85365005000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC	TP TC 020/2011	EAC_Certificate_RU_C-

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

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Brjansker Zertifizierungsstelle

DE.AM02.B.00115_19

EAC
Brjansker Zertifizierungsstelle

TP TC 004/2011

EAC RU C-DE.AM02.B.
00122/19UL
Underwriters Laboratories Inc. (ORDINARY
LOCATIONS)

UL 61010-2-201

E175199

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Optional accessories

Marking accessories

Marking strip



Item no.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

www.wago.com/2009-110

Jumper



Item no.: 859-402

Jumper; for jumper slot; 2-way; insulated; light gray

www.wago.com/859-402

Marking device



Item no.: 210-110

Fiber-tip pen

www.wago.com/210-110

Double marker carrier



Item no.: 209-128

Adaptor; gray

www.wago.com/209-128

Protective marker cover



Item no.: 209-184

Protection cover; transparent

www.wago.com/209-184

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

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Marker

**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; white

www.wago.com/209-183**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

Group marker carrier

**Item no.: 209-145**

Group marker carrier; white

www.wago.com/209-145**Item no.: 249-105**

Group marker carrier; gray

www.wago.com/249-105

Ferrule

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; 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

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

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	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
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Basic Relay

Basic solid-state relay		
	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

Tool

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

Jumpers

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

Downloads
Documentation

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

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Instruction Leaflet

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

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 788-730	URL	Download
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Asset Administration Shell

Asset Administration Shell 788-730	URL	Download
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Environmental Product Compliance

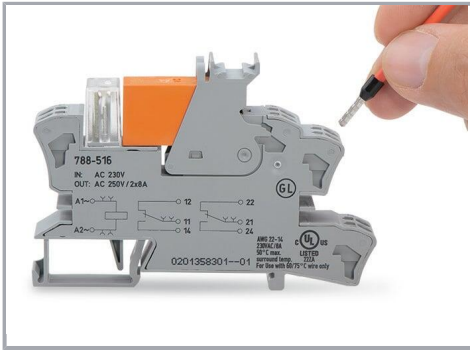
Compliance Search

Environmental Product Compliance 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	URL	Download
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Installation Notes

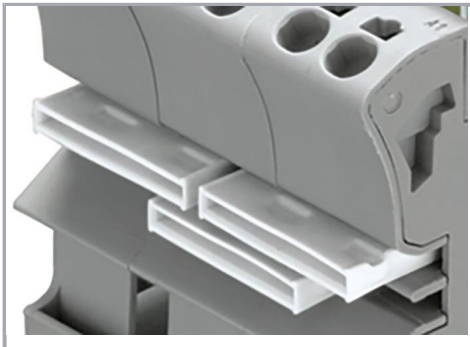
Conductor termination

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



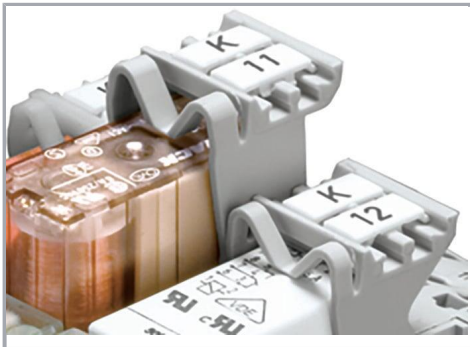
Conductor termination

Commoning



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!