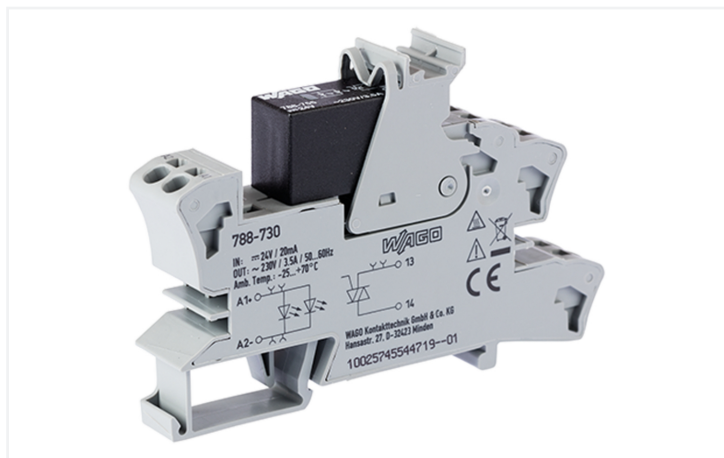


Data Sheet | Item Number: 788-730

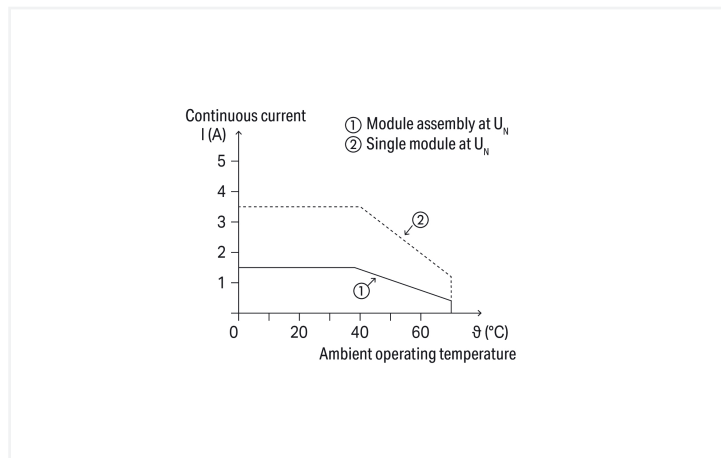
Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 12 ... 275 VAC; Limiting continuous current: 3.5 A; 2-wire connection; zero-cross switching; Green status indicator; Module width: 15 mm; gray



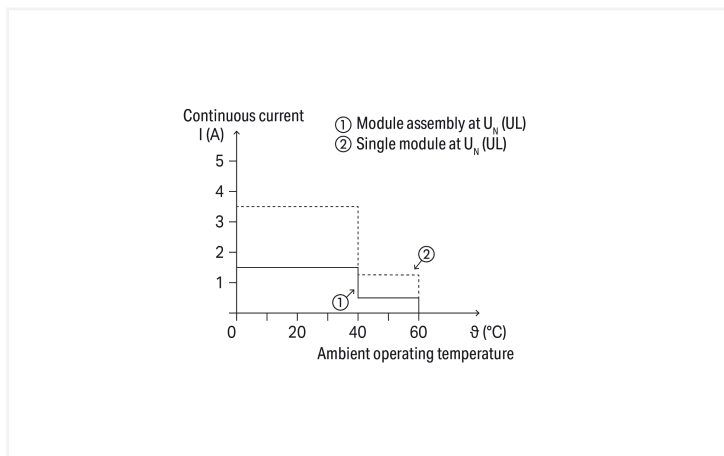
<https://www.wago.com/788-730>



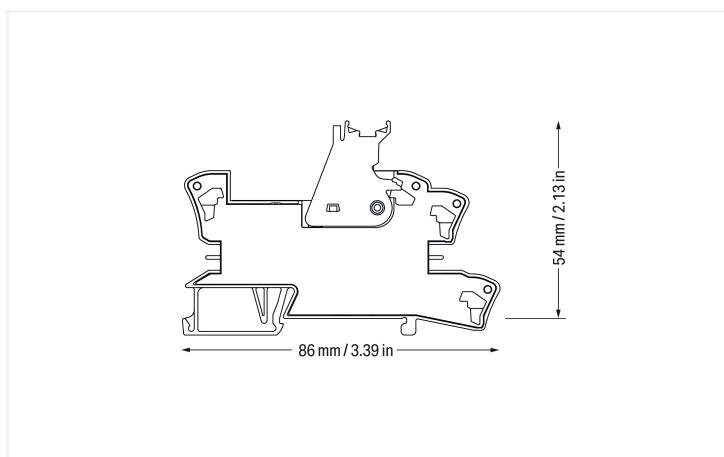
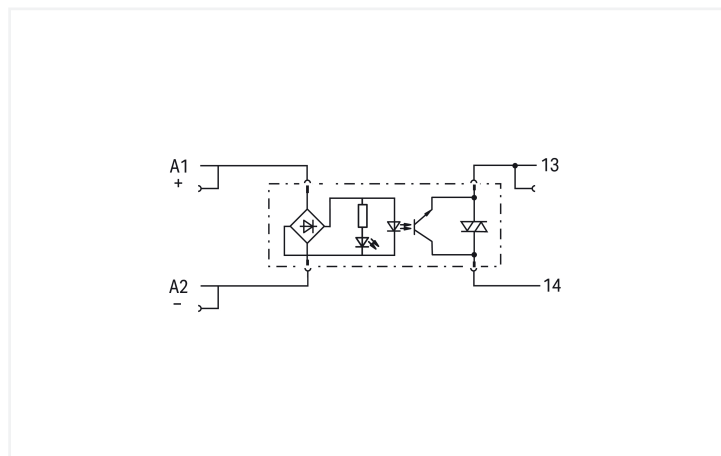
Color: ■ gray



Current-carrying capacity curve



Current carrying capacity curve UL



Notes

Note	Optocouplers and solid state relays are designed for use in signal processing networks that are not supplied directly by the low-voltage power supply network.
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Technical data

Control circuit

Nominal input voltage U_N	24 VDC
Input voltage range (low level)	0 ... 3 VDC
Input voltage range (high level)	10 ... 30 VDC
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	230 VAC
Output voltage range	12 ... 275 VAC
Voltage drop	≤ 1.1 VAC
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 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 inches

Physical data

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

Mechanical data

Mounting type	DIN-35 rail
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Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Fire load	0.641 MJ
Weight	35.4 g

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	$\leq 95 \%$ (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

PU (SPU)	8 (1) pcs
Packaging type	Box
Country of origin	CN
GTIN	4066966128062
Customs tariff number	85365005000

Product Classification

UNSPSC	39122331
ETIM 9.0	EC001504
ETIM 10.0	EC001504
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03084
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-730	↓
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Documentation

Bid Text

788-730	20.02.2019	xml 4.49 KB	↓
788-730	08.01.2019	docx 16.00 KB	↓

Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1 09.10.2020	pdf 2271.22 KB	↓
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CAD/CAE-Data

CAD data

2D/3D Models 788-730	↓
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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.: 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

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



Item No.: 216-542

Twin ferrule; Sleeve for 2 x 1 mm² / AWG 2 x 18; red, insulated; 12 mm long; red

1.1.3 Jumper

1.1.3.1 Jumper



Item No.: 788-118

Jumper; for jumper slot; 2-way; from 1 to 3; insulated; light gray



Item No.: 788-113

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



Item No.: 788-114

Jumper; for jumper slot; 3-way; insulated; light gray



Item No.: 788-115

Jumper; for jumper slot; 4-way; insulated; light gray



Item No.: 788-116

Jumper; for jumper slot; 6-way; insulated; light gray



Item No.: 788-117

Jumper; for jumper slot; 8-way; insulated; light gray

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



Item No.: 209-145

Group marker carrier; white

1.1.4.3 Jumper



Item No.: 859-402

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

1.1.4.4 Marker



Item No.: 209-183

Marker; white

Item No.: 793-502

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 793-503

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.: 793-501

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

1.1.4.5 Marking device



Item No.: 210-110

Fiber-tip pen

1.1.4.6 Marking strip



Item No.: 2009-110

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

1.1.4.7 Protective marker cover



Item No.: 209-184

Protection cover; transparent

1.1.5 Tool

1.1.5.1 Operating tool

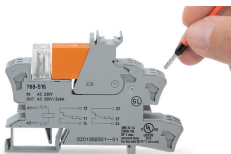


Item No.: 210-720

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

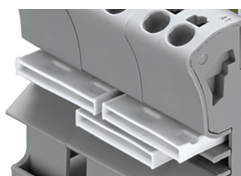
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.