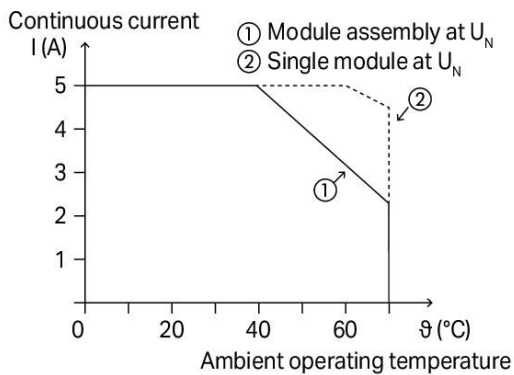
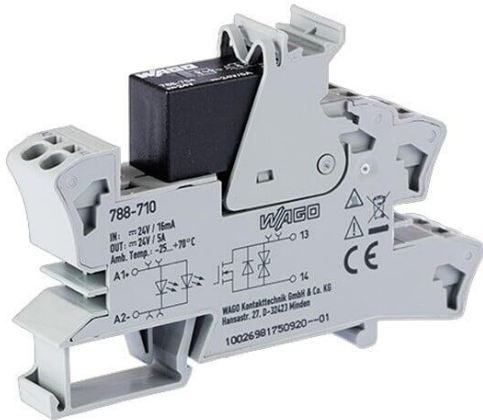


Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 35 VDC; Limiting continuous current: 5 A; 2-wire connection; Green status indicator; Module width: 15 mm



Continuous current I (A)

① Module assembly at U_N
 ② Single module at U_N

5
4
3
2
1

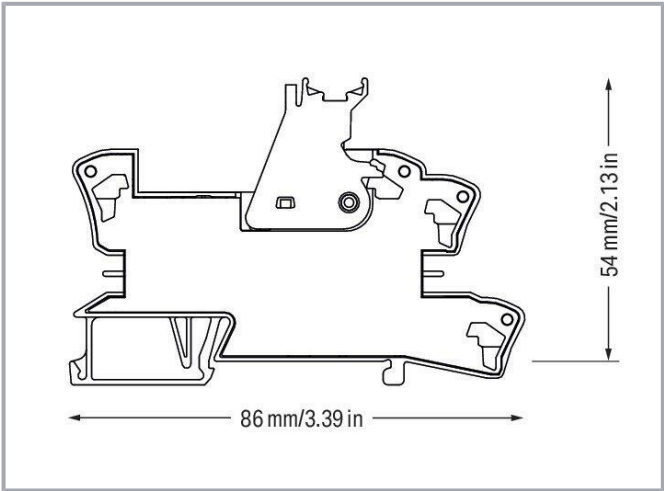
0 20 40 60

Θ (°C)

Ambient operating temperature

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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.
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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
Output voltage range	DC 0 ... 35 V
Voltage drop at output (max.)	$\leq$ DC 0.3 V
Voltage drop	$\leq$ 0.3 VDC
Switching current (min.)	1 mA

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

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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 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
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Material data

Color	gray
Fire load	0.648 MJ
Weight	41.6 g

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



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	788-754
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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	4055143900058
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 Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC_Certificate_RU_C- DE.AM02.B.00115_19

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

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UL
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

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.: 859-402 Jumper; for jumper slot; 2-way; insulated; light gray	www.wago.com/859-402
	Item no.: 788-118 Jumper; for jumper slot; 2-way; from 1 to 3; insulated; light gray	www.wago.com/788-118

Basic Relay

Basic solid-state relay

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

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**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**Ferrule**

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

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
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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
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Marking device

	Item no.: 210-110 Fiber-tip pen	www.wago.com/210-110
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Double marker carrier

	Item no.: 209-128 Adaptor; gray	www.wago.com/209-128
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Protective marker cover

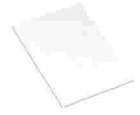
	Item no.: 209-184 Protection cover; transparent	www.wago.com/209-184
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Marker

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

**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**Downloads****Documentation****Bid Text**

788-710	2019 Feb 20	xml	Download
X81 - Datei		4.5 kB	
788-710	2019 Jan 8	docx	Download
docx - Datei		16.2 kB	

Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1	pdf	Download
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Subject to changes. Please also observe the further product documentation!



2020 Oct 9

2.3 MB

Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 Aug 18	2.2 MB	

CAD/CAE-Data**CAE data**

EPLAN Data Portal 788-710	URL	Download
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CAD data

2D/3D Models 788-710	URL	Download
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Asset Administration Shell

Asset Administration Shell 788-710	URL	Download
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Environmental Product Compliance**Compliance Search**

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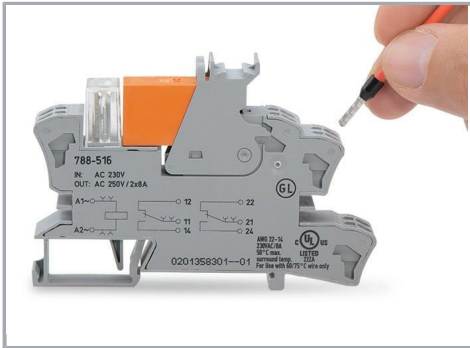
Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 35 VDC; Limiting continuous current: 5 A; 2-wire connection; Green status indicator; Module width: 15 mm

Installation Notes**Conductor termination**

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

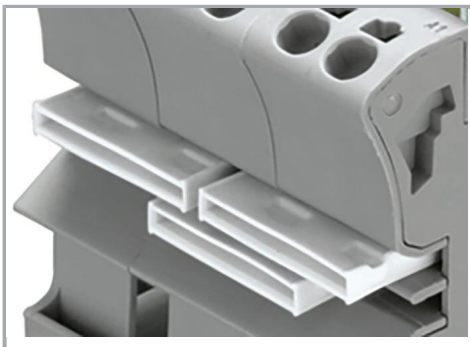
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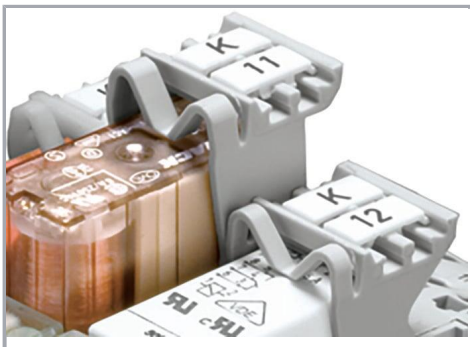
Conductor termination

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!

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