

Data sheet | Item number: 788-710

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



www.wago.com/788-710



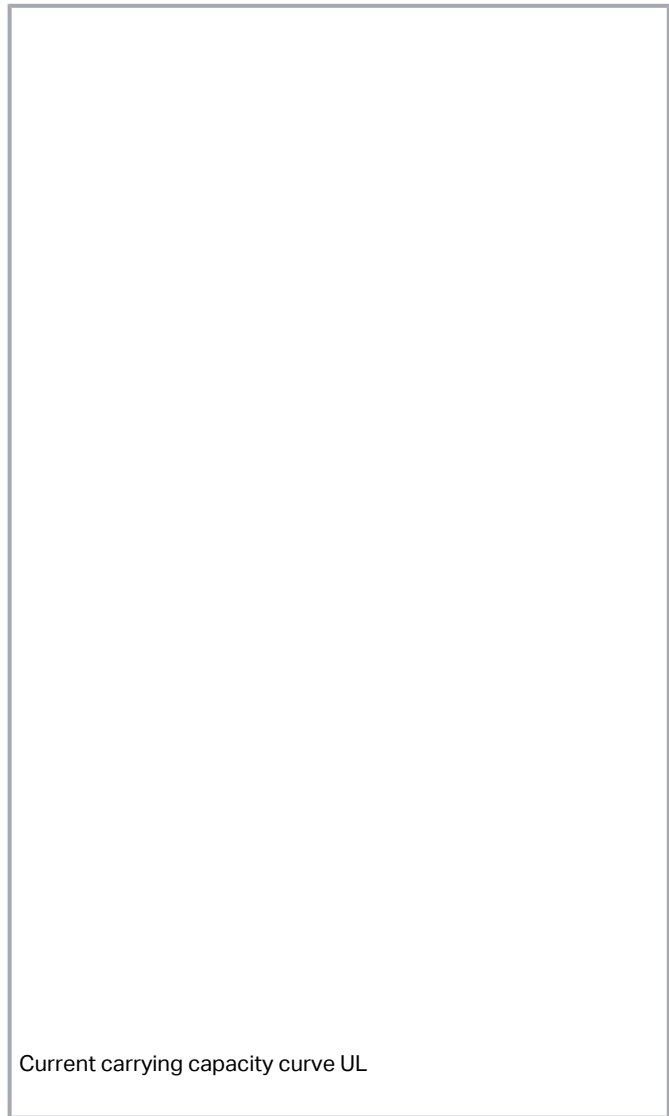
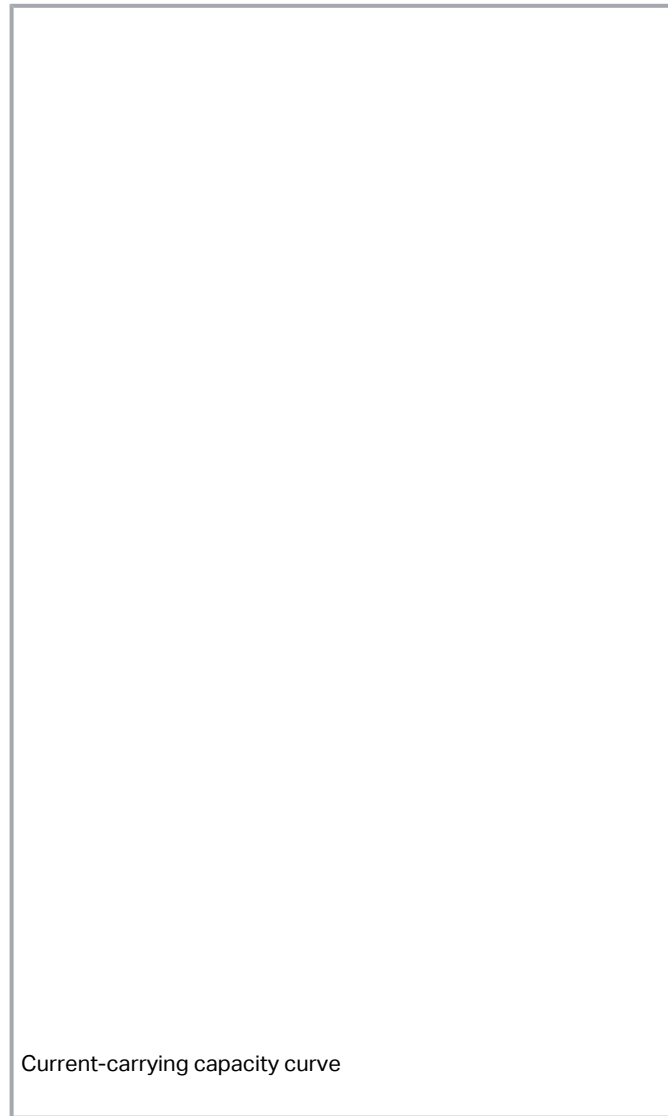
Color:



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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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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

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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
Turn-on time	\leq 50 μ s
Turn-off time	\leq 250 μ s
Switching frequency	\leq 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®
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Subject to changes. Please also observe the further product documentation!



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 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	0.656 MJ
Weight	41.6 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	≥ (T _{ambient} + 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	788-754
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Subject to changes. Please also observe the further product documentation!

**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
	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**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

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	www.wago.com/216-242

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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 www.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; black www.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; red www.wago.com/216-542

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

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

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

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

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

Downloads

Documentation

Bid Text

788-710 X81 - Datei	2019 年2月20 日	xml 4.5 kB	Download
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788-710 docx - Datei	2019 年1月8 日	docx 16.2 kB	Download
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Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1	pdf 2.3 MB	Download
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2020 年10 月9 日

Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 年8月18 日	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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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-710	URL	Download
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



Conductor termination

Commoning

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Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.

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