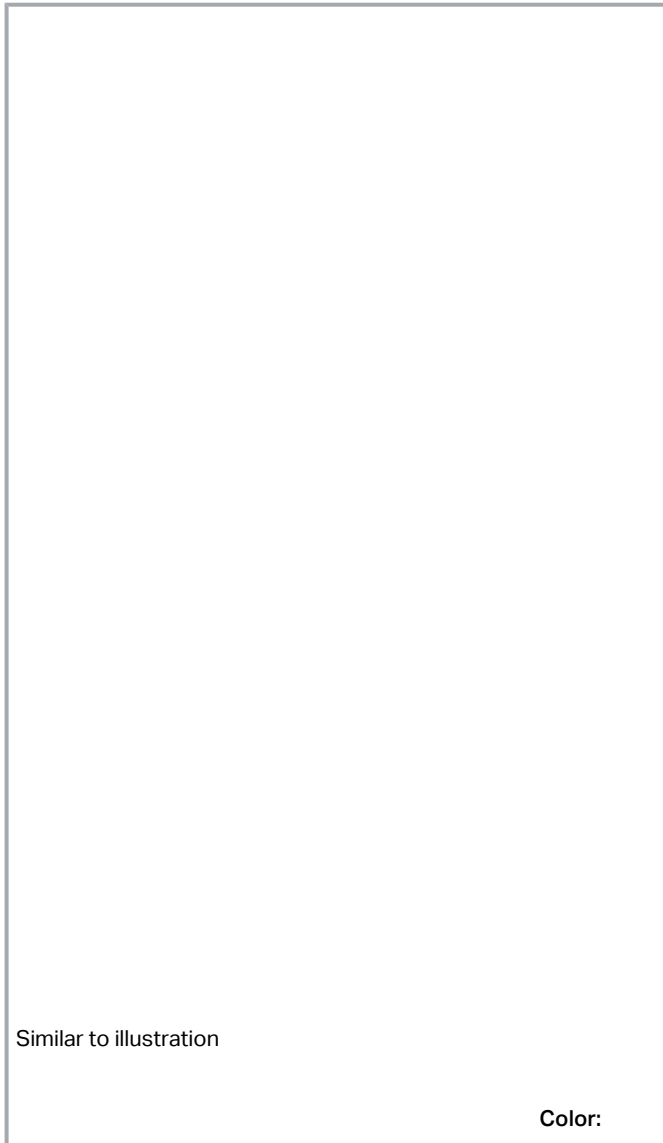


Data sheet | Item number: 788-720

Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 24 ... 240 VAC; Limiting continuous current: 1 A; 2-wire connection; zero-cross switching; Red status indicator; Module width: 15 mm; gray



www.wago.com/788-720



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

WAGO GmbH & Co. KG
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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.



Data

Notes

Note

A separator plate (e.g., 209-191) must be used for voltages greater than 250 V between adjacent relay modules and for compliance with the reinforced insulation requirements.

Technical data

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

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Control Circuit

Nominal input voltage U_N	DC 24 V
Input voltage range (low level)	DC 0 ... 4 V
Input voltage range (high level)	DC 18 ... 30 V
Nominal input current at U_N	7 mA

Load circuit

Circuit type	2-wire connection Zero-voltage switching
Limiting continuous current	1 A
Nominal output voltage	AC 230 V
Output voltage range	AC 24 ... 240 V
Voltage drop at output (max.)	\leq AC 1.1 V
Voltage drop	\leq 1.1 VAC
Turn-on time	\leq 10 ms
Turn-off time	\leq 10 ms
Switching frequency	50 Hz / 60 Hz

Signaling

Status indicator	Red LED
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Safety and protection

Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	3.75 kVrms
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
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Subject to changes. Please also observe the further product documentation!



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	0.693 MJ
Weight	41.3 g

Environmental requirements

Ambient temperature (operation at U_N)	-20 ... +60 °C
Ambient temperature UL (operation at U_N)	-40 ... +60 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	$\geq (T_{\text{ambient}} + 20 \text{ K})$

Standards and specifications

Standards/specifications	EN 61000-6-2 EN 61000-6-3 EN 61373 EN 61010-2-201 UL 508 (max. 40 °C/2.5 A)
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Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-26-15-03
eCl@ss 9.0	27-26-15-03
ETIM 8.0	EC001504
ETIM 7.0	EC001504
PU (SPU)	20 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454743888
Customs tariff number	85365005000

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



Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

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
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122/19
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Vol.1 Sec.6

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

Indicators

Status indication		
	Item no.: 788-120 Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VDC	www.wago.com/788-120

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	

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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

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; white

www.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; gray

www.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; 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

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

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

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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

788-720 docx - Datei	2019 年2月20 日	docx 16.0 kB	Download
788-720 X81 - Datei	2019 年2月19 日	xml 4.1 kB	Download

Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1 2020 年10月9 日	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 年8月18 日	pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 788-720	URL	Download
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CAE data

EPLAN Data Portal 788-720	URL	Download
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WSCAD Universe 788-720	URL	Download
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ZUKEN Portal 788-720	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-720	URL	Download
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Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 24 ... 240 VAC; Limiting continuous current: 1 A; 2-wire connection; zero-cross switching; Red status indicator; Module width: 15 mm; gray

Installation Notes

Conductor termination



Conductor termination

Commoning

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



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!