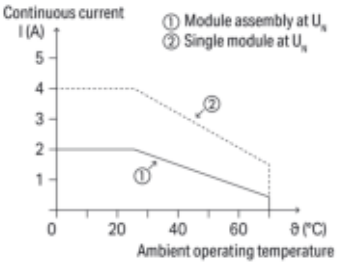
Data Sheet | Item Number: 788-721

Solid-state relay module; Nominal input voltage: 24 V AC/DC; Output voltage range: 24 … 230 VAC; Limiting continuous current: 4 A; 2-wire connection; zero-cross switching; Red status indicator; Module width: 15 mm; gray

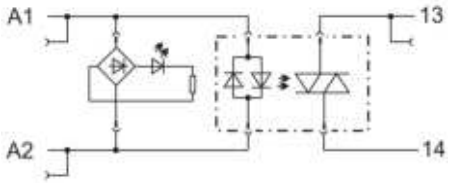
https://www.wago.com/788-721

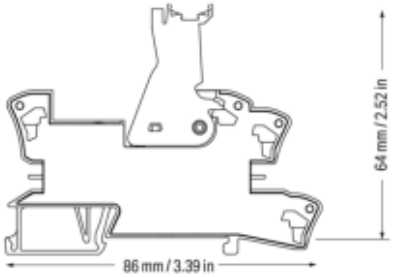


Color: gray



Current-carrying capacity curve





Notes

Note	A separator plate (e.g., 209-191) must be used for voltages exceeding 250 V between adjacent relay modules and to comply with reinforced insulation requirements.

Technical data

Control circuit

Nominal input voltage U_N	24 VAC/VDC
Input voltage range (low level)	0 … 2.5 VAC/VDC
Input voltage range (high level)	15 … 30 VAC/DC
Nominal input current at U_N	10 mA

Load circuit

Circuit type	2-wire connection Zero-voltage switching
Limiting continuous current	4 A
Nominal output voltage	230 VAC
Output voltage range	12 … 275 VAC (50/60 Hz)
Voltage drop	≤ 1.1 VAC
Turn-on time	≤ 10 ms
Turn-off time	≤ 10 ms
Switching frequency	50 Hz / 60 Hz

Continued on next page

Signaling

Status indicator	Red LED

Safety and protection

Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	4 kVrms
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	86 mm / 3.386 inches
Depth from upper-edge of DIN-rail	64 mm / 2.52 inches

Mechanical data

Mounting type	DIN-35 rail

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Fire load	0.614 MJ
Weight	49.4 g

Environmental requirements

Ambient temperature (operation at U_N)	-20 … +70 °C
Ambient temperature UL (operation at U_N)	-20 … +40 °C
Ambient temperature (storage)	-40 … +70 °C
Processing temperature	-25 … +50 °C
Temperature range of connection cable	≥ ($T_{ambient}$ + 20 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)

Continued on next page

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	15 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454945961
Customs tariff number	85365005000

Product Classification

UNSPSC	39122334
eCl@ss 10.0	27-26-15-03
eCl@ss 9.0	27-26-15-03
ETIM 9.0	EC001504
ETIM 10.0	EC001504
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	63427db5-b86e-434d-86c8-062666b3579f
SCIP notification number (Belgium)	0c27a158-3bbf-44ec-837d-3f103179e318
SCIP notification number (Bulgaria)	2a174cb2-3a25-4796-a3c9-91b318d6d639
SCIP notification number (Czech Republic)	64f1253a-ddba-4a48-bf70-812e9fe3d938
SCIP notification number (Denmark)	2eb5d9bb-f88e-4a13-9a94-7a9356271e28
SCIP notification number (Finland)	254e83f1-eff0-4e92-b117-3d7a40b2aac3
SCIP notification number (France)	2b6becec-06ea-42b6-8c81-7d34d7122c51
SCIP notification number (Germany)	e3b40cfe-6a3c-40bc-b95e-5922ca557b95
SCIP notification number (Hungary)	6050c7f7-e8e2-4656-a1c3-db952040cb35
SCIP notification number (Italy)	f3ed14c9-40df-4b3d-8c5b-076bedc28cca
SCIP notification number (Netherlands)	640be926-f0fd-435f-b3f3-2b5930eaad43
SCIP notification number (Poland)	34025254-c517-4e99-a060-0854e22f7956
SCIP notification number (Romania)	06e2bc49-8160-4f24-b0c5-910f04978514
SCIP notification number (Sweden)	a28882d0-2c0e-46d8-af1c-9c27c7724527

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 508	E175199 Vol.1 Sec.6

Declarations of conformity and manufacturer's declarations

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

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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-721

Documentation

Bid Text

788-721	19.02.2019	xml 4.07 KB
788-721	20.02.2019	docx 15.67 KB

Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1 09.10.2020	pdf 2271.22 KB

CAD/CAE-Data

CAD data

2D/3D Models 788-721

CAE data

EPLAN Data Portal 788-721

WSCAD Universe 788-721

ZUKEN Portal 788-721

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 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

1.1.2 Filter module

1.1.2.1 Suppressor module



Item No.: 788-148
Filter module; RC filter element; Nominal voltage: 230 VAC

1.1.3 Indicators

1.1.3.1 Status indication



Item No.: 788-123
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VAC

1.1.4 Jumper

1.1.4.1 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.: 859-402
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

1.1.5 Marking

1.1.5.1 Double marker carrier



Item No.: 209-128
Adaptor; gray

1.1.5.2 Group marker carrier



Item No.: 249-105
Group marker carrier; gray



Item No.: 209-145
Group marker carrier; white

 Continued on next page

1.1.5.3 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

1.1.5.4 Marking device



Item No.: 210-110
Fiber-tip pen

1.1.5.5 Marking strip

Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.5.6 Protective marker cover

Item No.: 209-184
Protection cover; transparent

1.1.6 Tool

1.1.6.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

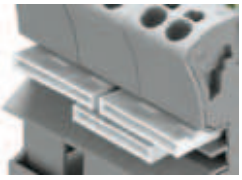
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.