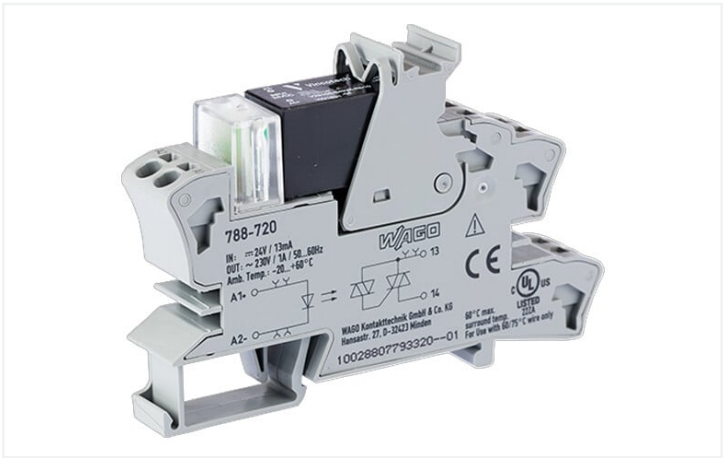


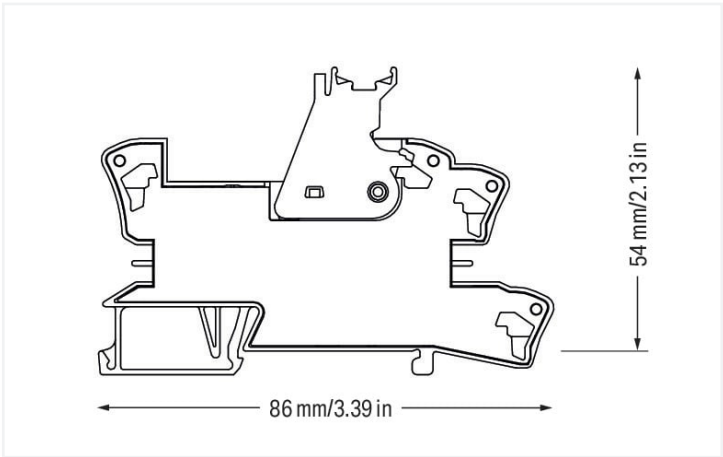
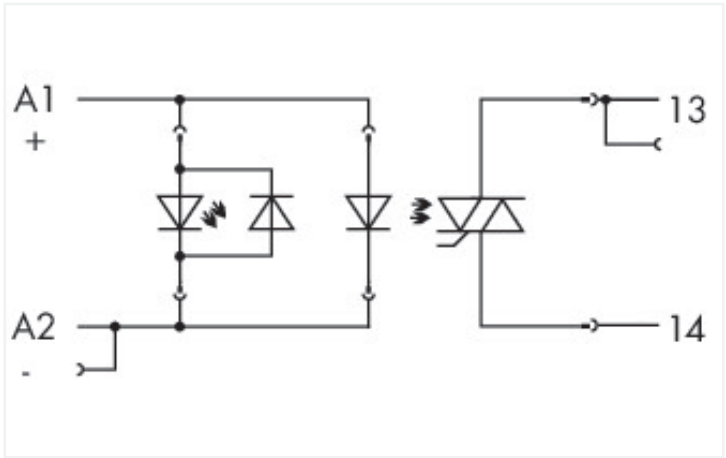
Data Sheet | Item Number: 788-720

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

<https://www.wago.com/788-720>



Color: ■ gray



Dimensions in mm

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			
Control circuit		Load circuit	
Nominal input voltage U_N	DC 24 V	Circuit type	2-wire connection Zero-voltage switching
Input voltage range (low level)	DC 0 ... 4 V	Limiting continuous current	1 A
Input voltage range (high level)	DC 18 ... 30 V	Nominal output voltage	AC 230 V
Nominal input current at U_N	7 mA	Output voltage range	AC 24 ... 240 V
		Voltage drop	≤ 1.1 VAC
		Turn-on time	≤ 10 ms
		Turn-off time	≤ 10 ms
		Switching frequency	50 Hz / 60 Hz



Signaling	
Status indicator	Red LED

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 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

Material data	
Color	gray
Fire load	0.685 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	≥ (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)



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	

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 020/2011	EAC_Certificate_RU_C- DE.AM02.B.00115_19
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122/19
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	UL 508	E175199 Vol.1 Sec.6

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 788-720	

Documentation			
Bid Text		Instruction Leaflet	
788-720	19.02.2019	xml 4.04 KB	
788-720	20.02.2019	docx 15.63 KB	
		Sockets with Elementa- ry Relay/ SSR	V 1.0.1 09.10.2020 pdf 2271.22 KB 



CAD/CAE-Data	
CAD data 2D/3D Models 788-720 ↓	CAE data EPLAN Data Portal 788-720 ↓
	WSCAD Universe 788-720 ↓
	ZUKEN Portal 788-720 ↓

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 Indicators

1.1.2.1 Status indication


Item No.: 788-120 Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VDC

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.: 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	

1.1.4 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 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

1.1.4.4 Marking device



[Item No.: 210-110](#)
Fiber-tip pen

1.1.4.5 Marking strip



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

1.1.4.6 Protective marker cover



[Item No.: 209-184](#)
Protection cover; transparent

1.1.5 Tool

1.1.5.1 Operating tool

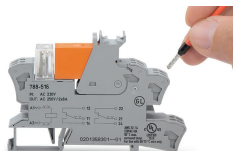


Item No.: 210-720

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

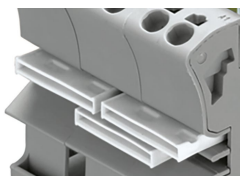
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.