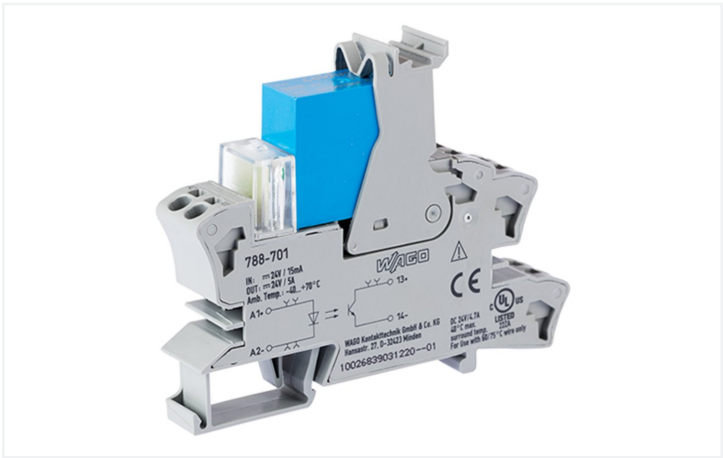


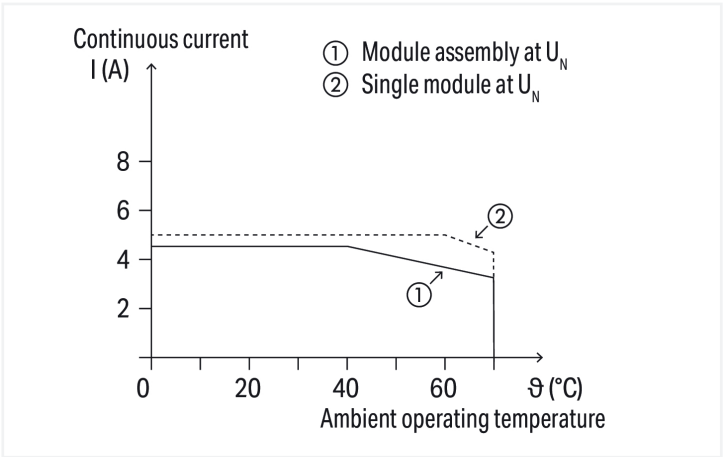
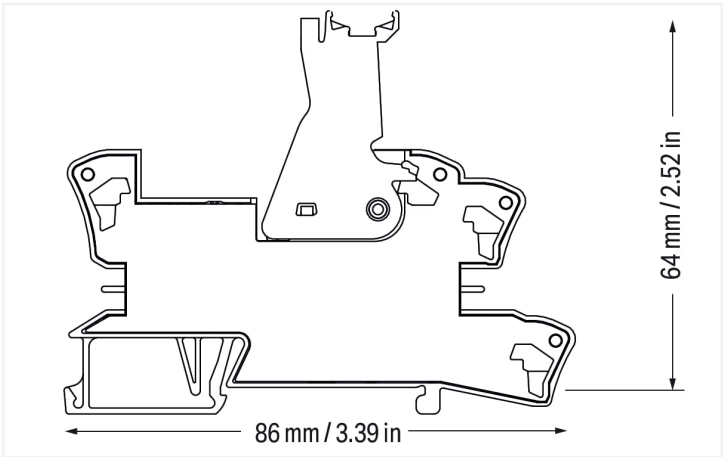
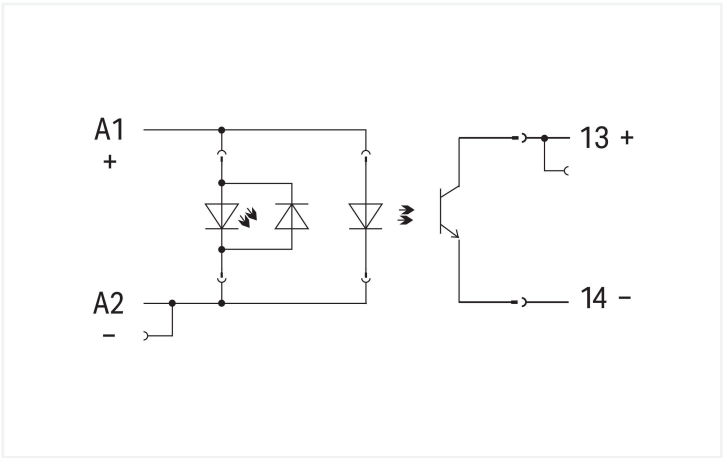
Data Sheet | Item Number: 788-701

Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 30 VDC; Limiting continuous current: 5 A; 2-wire connection; Red status indicator; Module width: 15 mm; gray

<https://www.wago.com/788-701>



Color: ■ gray



Current-carrying capacity curve

Notes	
Note	Optocouplers and solid state relays are designed for use in signal processing networks that are not supplied directly by the low-voltage power supply network.

Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	24 VDC	Circuit type	2-wire connection
Input voltage range (low level)	0 ... 2.5 VDC	Limiting continuous current	5 A
Input voltage range (high level)	15 ... 30 VDC	Nominal output voltage	24 VDC
Nominal input current at U_N	10 mA	Output voltage range	0 ... 30 VDC
		Voltage drop	≤ 0.3 VDC
		Turn-on time	≤ 50 μ s
		Turn-off time	≤ 600 μ s
		Switching frequency	≤ 100 Hz



Signaling	
Status indicator	Red LED

Safety and protection	
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 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	0.69 MJ
Weight	47 g

Environmental requirements	
Ambient temperature (operation at U _N)	-40 ... +70 °C
Ambient temperature UL (operation at U _N)	-40 ... +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 / 4.7 A)



Basic relay		
WAGO Basic Relay		788-751

Commercial data		
Product Group		6 (INTERFACE ELECTRONIC)
eCl@ss 10.0		27-26-15-03
eCl@ss 9.0		27-26-15-03
ETIM 9.0		EC001504
ETIM 8.0		EC001504
PU (SPU)		15 (1) pcs
Packaging type		Box
Country of origin		DE
GTIN		4045454743871
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
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Vol.1 Sec.6
		EU-Declaration of Conformity WAGO GmbH & Co. KG

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 788-701	

Documentation											
Bid Text			Instruction Leaflet								
788-701	19.02.2019	xml 4.09 KB									
788-701	20.02.2019	docx 15.53 KB									
			<table><tr><th colspan="4">Sockets with Elementary Relay/ SSR</th></tr><tr><td>V 1.0.1</td><td>09.10.2020</td><td>pdf</td><td>2271.22 KB</td></tr></table> 	Sockets with Elementary Relay/ SSR				V 1.0.1	09.10.2020	pdf	2271.22 KB
Sockets with Elementary Relay/ SSR											
V 1.0.1	09.10.2020	pdf	2271.22 KB								



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 788-701	EPLAN Data Portal 788-701
	WSCAD Universe 788-701
	ZUKEN Portal 788-701

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

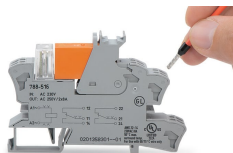


Item No.: 210-720

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

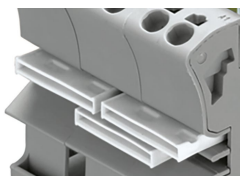
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.