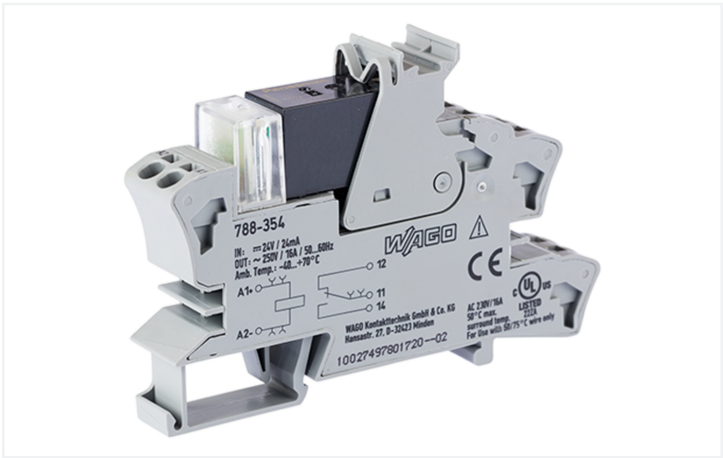


**Data Sheet | Item Number: 788-354**

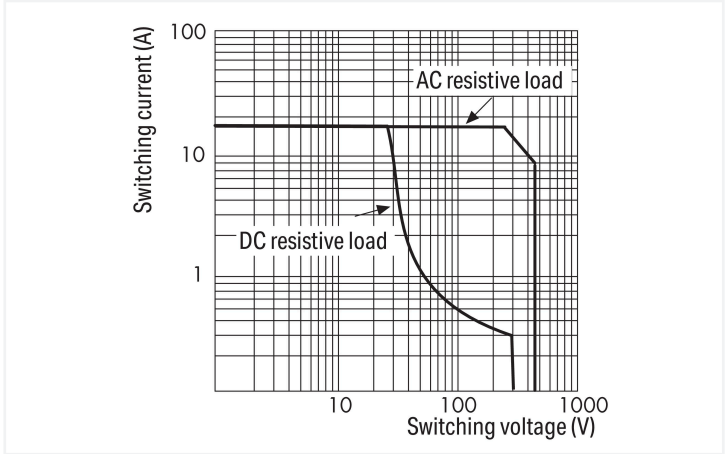
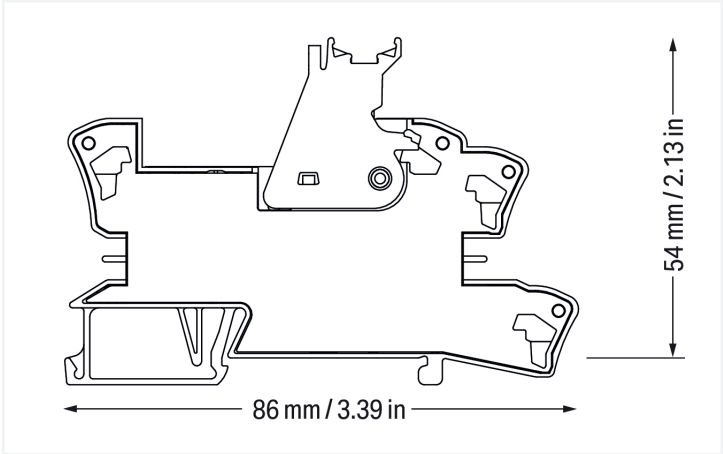
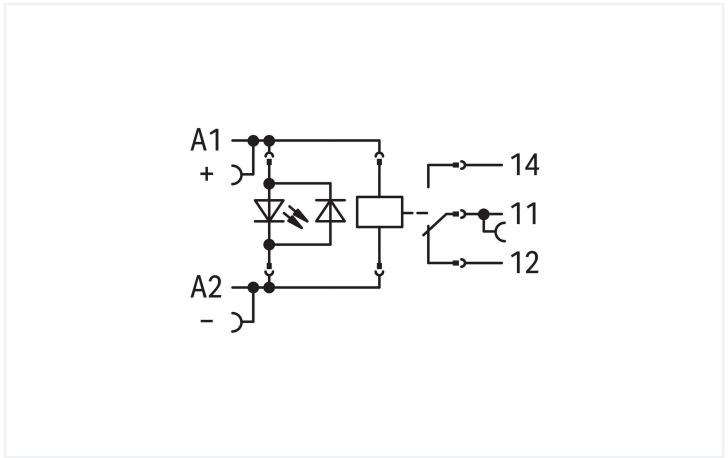
Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 16 A; for lamp loads; Red status indicator; Module width: 15 mm; 2,50 mm<sup>2</sup>; gray



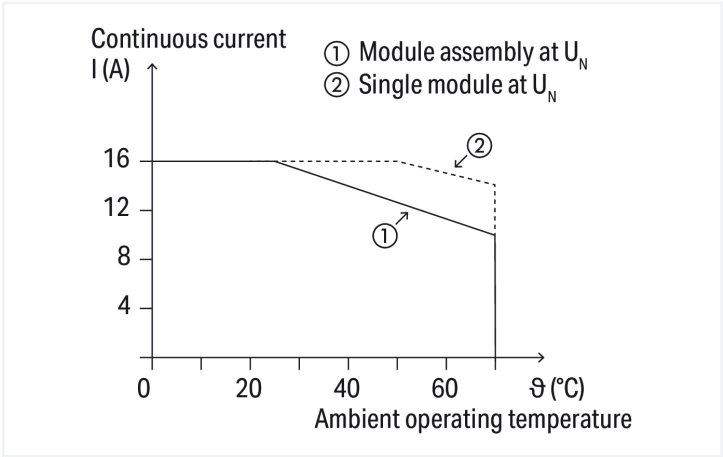
<https://www.wago.com/788-354>



Color: ■ gray



Load limit curve



Current-carrying capacity curve



Notes	
Safety Information	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.
Note	Reinforced insulation between coil and contacts To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

Technical data	
Control circuit	Load circuit
Nominal input voltage U <sub>N</sub>	24 VDC
Input voltage range	-15 ... +20 %
Nominal input current at U <sub>N</sub>	19 mA
	Number of changeover/switchover contacts
	1
	Contact material (relay)
	AgSnO <sub>2</sub>
	Limiting continuous current
	16 A
	Inrush current (resistive) max.
	(AC) 120 A / 0.05 s
	Switching Voltage, Max.
	250 VAC
	Switching power (resistive) max.
	AC 4000 VA; DC (see load limit curve)
	Recommended minimum load
	5 V / 100 mA
	Pull-in time (typ.)
	15 ms
	Drop-out time (typ.)
	5 ms
	Electrical life (NO; resistive load; 23 °C)
	100 x 10 <sup>3</sup> switching operations
	Mechanical life
	10 x 10 <sup>6</sup> switching operations

Signaling	
Status indicator	Red LED

Safety and protection	
Rated Voltage	250 V
Rated impulse withstand voltage	4 kV
Pollution degree	3
Dielectric strength (control/load circuit) (AC, 1 min)	5 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Safety Information	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.
Protection type	IP20

Connection data	
Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm <sup>2</sup> / 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	54 mm / 2.126 inches



Mechanical data		
Mounting type		DIN-35 rail

Material data		
Note (material data)		<a href="#">Information on material specifications can be found here</a>
Color		gray
Fire load		0.92 MJ
Weight		44.1 g

Environmental requirements		
Ambient temperature (operation at U <sub>N</sub> )		-40 ... +70 °C
Ambient temperature UL (operation at U <sub>N</sub> )		-40 ... +50 °C
Ambient temperature (storage)		-40 ... +70 °C
Processing temperature		-25 ... +50 °C
Temperature range of connection cable		≥ (T <sub>ambient</sub> + 20 K)

Standards and specifications		
Standards/specifications		EN 61010-2-201 EN 61810-1 EN 61373 UL 508 (max. 10 A)

Basic relay		
WAGO Basic Relay		788-195


Commercial data		
Product Group		6 (INTERFACE ELECTRONIC)
PU (SPU)		20 (1) pcs
Packaging type		Box
Country of origin		CN
GTIN		4055143184168
Customs tariff number		85364900990

Product Classification		
UNSPSC		39122334
eCl@ss 10.0		27-37-16-01
eCl@ss 9.0		27-37-16-01
ETIM 9.0		EC001437
ETIM 8.0		EC001437
ECCN		NO US CLASSIFICATION



Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption





Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03084	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	UL 508	E175199 Vol.1 Sec.6			





Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 788-354	

Documentation

Bid Text				Instruction Leaflet			
788-354	25.01.2019	docx 16.59 KB		Sockets with Elementa- ry Relay/ SSR	V 1.0.1 09.10.2020	pdf 2271.22 KB	
788-354	19.02.2019	xml 4.85 KB					
ausschreiben.de 788-354							

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 788-354		EPLAN Data Portal 788-354	
		WSCAD Universe 788-354	
		ZUKEN Portal 788-354	



1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



**Item No.: 788-195**  
Basic relay; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 16 A; for lamp loads; Module width: 13 mm

1.1.2 Ferrule

1.1.2.1 Ferrule



**Item No.: 216-241**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / AWG 2 x 18; red, insulated; 12 mm long; red

1.1.3 Indicators

1.1.3.1 Status indication



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

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

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

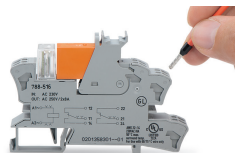


#### Item No.: 210-720

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

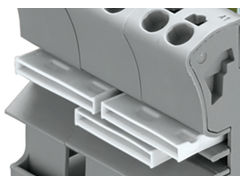
## Installation Notes

### Conductor termination



Conductor termination

### Commoning



Easy commoning using adjacent jumpers

### Marking



Marking using WMB Multi markers and group marker carriers.