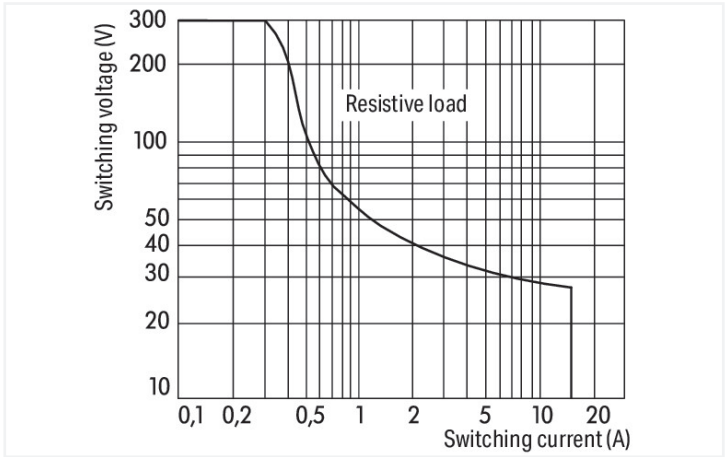
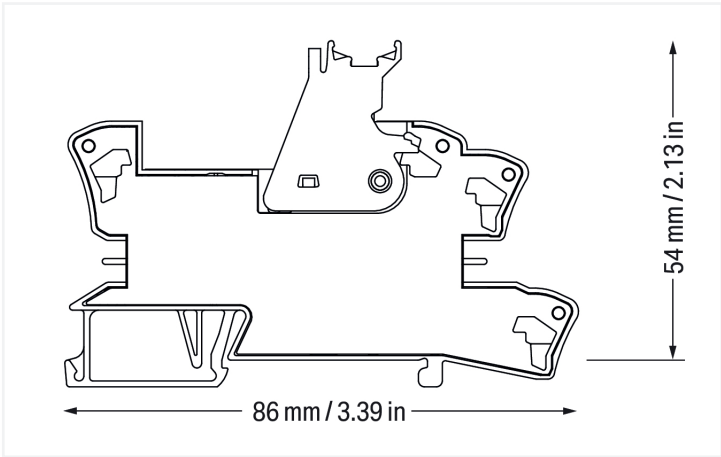
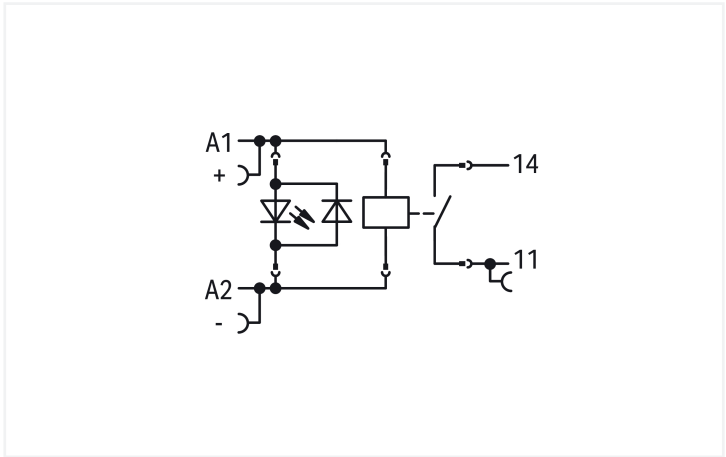
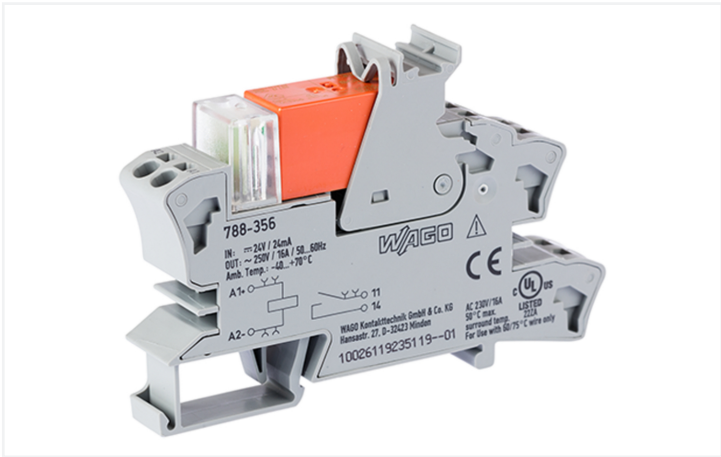


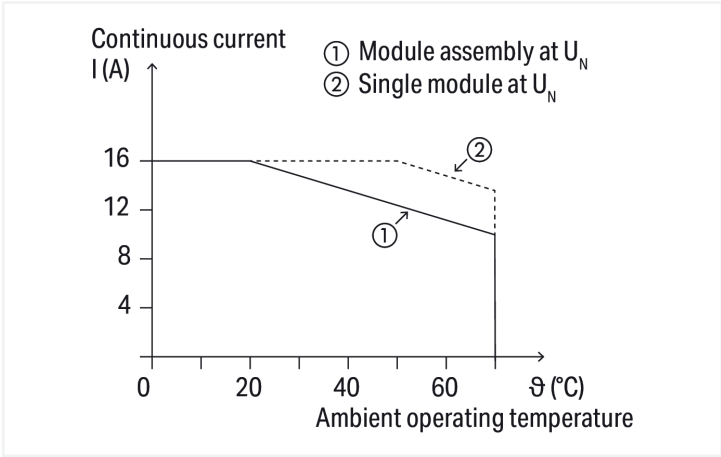
Data Sheet | Item Number: 788-356

Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 16 A; for lamp loads; Red status indicator; Module width: 15 mm

<https://www.wago.com/788-356>



DC 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 _N	24 VDC	Number of make/switch-on contacts	1
Input voltage range	-15 ... +20 %	Contact material (relay)	AgSnO ₂
Nominal input current at U _N	19 mA	Limiting continuous current	16 A
		Inrush current (resistive) max.	(AC) 80 A / 0.02 s; (AC) 30 A / 4 s
		Switching Voltage, Max.	250 VAC
		Switching power (resistive) max.	AC 4000 VA; DC (see load limit curve)
		Recommended minimum load	12 V / 100 mA
		Pull-in time (typ.)	9 ms
		Drop-out time (typ.)	6 ms
		Bounce time (typ.)	3 ms
		Electrical life (NO; resistive load; 23 °C)	50 x 10 ³ switching operations
		Mechanical life	30 x 10 ⁶ 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 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
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)	Information on material specifications can be found here
Fire load	0.672 MJ
Weight	46.8 g

Environmental requirements	
Ambient temperature (operation at U _N)	-40 ... +70 °C
Ambient temperature UL (operation at U _N)	-40 ... +50 °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 61010-2-201 EN 61810-1 EN 61373 UL 508 (max. 10 A)

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	20 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454540753
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	
CAS-No.	7439-92-1 7440-43-9
REACH Candidate List Substance	Cadmium Lead
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	7e591974-8dba-4ba8-8ca0-9dda0b95a819
SCIP notification number (Belgium)	ca5acbce-b99f-4cb3-83d0-0c4a3e2c04f2
SCIP notification number (Bulgaria)	fd67ed12-c400-44d5-a4e6-2e42cfaf9d09
SCIP notification number (Czech Republic)	73983201-3dbc-430d-8f75-315c355961a7
SCIP notification number (Denmark)	e8d45790-4763-4997-8e87-511ac9ef67d0
SCIP notification number (Finland)	998a844a-32cf-4082-b586-f3075cbb09dc
SCIP notification number (France)	d8ba4b8a-9ce5-4d9c-bf7d-f069843ba7a8
SCIP notification number (Germany)	c024b1eb-9e7e-4260-8c48-4156cab4e861
SCIP notification number (Hungary)	02a11653-1d32-4f04-a59f-7f06f0715e98
SCIP notification number (Italy)	859dc1de-f7c8-47b9-91a0-918ed2f794f8



Environmental Product Compliance	
SCIP notification number (Netherlands)	3766f2ee-d2ce-43d7-8404-5a816fd80322
SCIP notification number (Poland)	c2f389e8-c589-4a09-b3ff-cc8b0798d4a5
SCIP notification number (Romania)	5b4d7c2c-d0eb-4aeb-bc3c-fa113239040f
SCIP notification number (Sweden)	1646e8de-423a-4ffc-83eb-1e2657ec6e0a

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
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

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 788-356	

Documentation			
Bid Text		Instruction Leaflet	
788-356	25.01.2019	docx 16.64 KB	
788-356	19.02.2019	xml 4.88 KB	
ausschreiben.de 788-356			

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 788-356	EPLAN Data Portal 788-356
	WSCAD Universe 788-356
	ZUKEN Portal 788-356



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

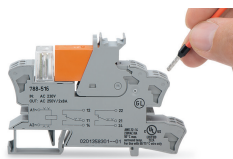
1.1.5.1 Operating tool



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

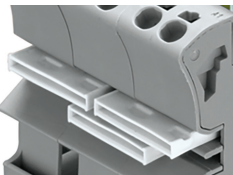
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.