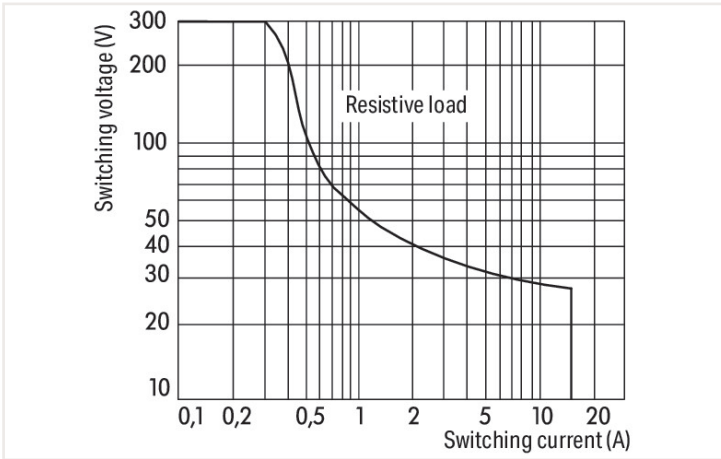
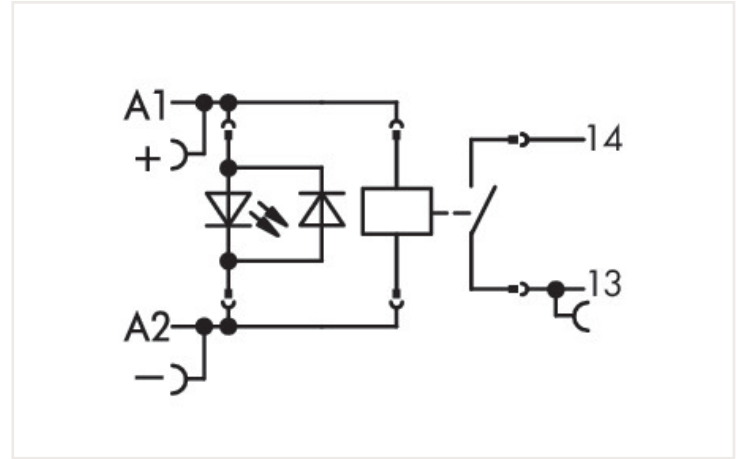
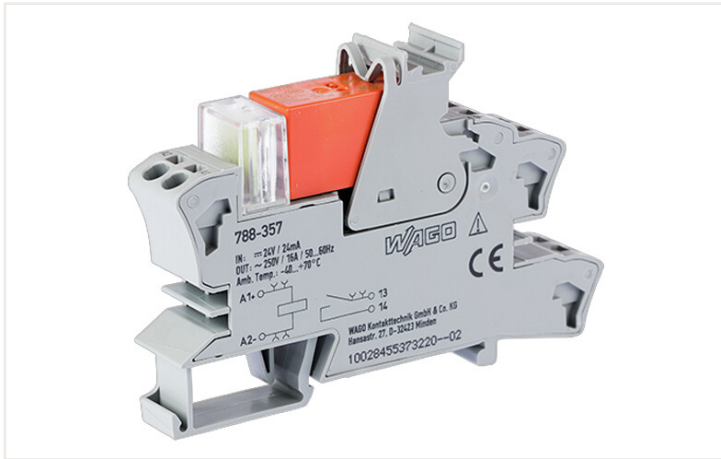


Data sheet | Item number: 788-357

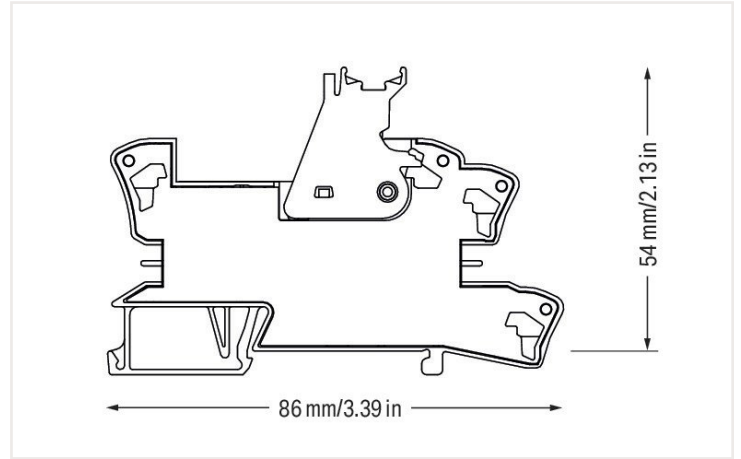
Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm



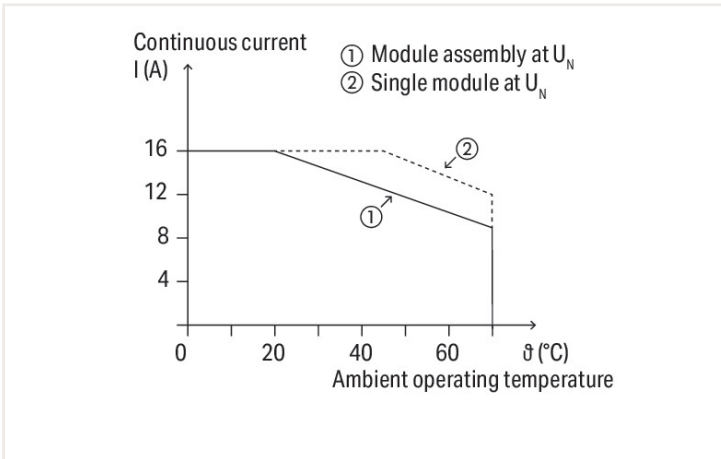
<https://www.wago.com/788-357>



DC load limit curve



Dimensions in mm



Current-carrying capacity curve

Notes

Safety information 1

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.

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

Nominal input voltage U_N	DC 24 V
Input voltage range	-10 ... +20 %
Nominal input current at U_N	17 mA

Load circuit

Number of make/switch-on contacts	1
Contact material (relay)	AgSnO ₂ , W pre-make contact
Limiting continuous current	16 A
Inrush current (resistive) max.	(AC) 165 A / 0.02 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 4000 VA; DC (see load limit curve)
Recommended minimum load	12 V / 100 mA
Pull-in time (typ.)	10 ms
Drop-out time (typ.)	5 ms
Bounce time (typ.)	4 ms
Electrical life (NO; resistive load; 23 °C)	5 x 10 ³ switching operations
Mechanical life	5 x 10 ⁶ switching operations
Switching frequency with/without load (max.)	6 min ⁻¹ / 60 min ⁻¹

Signaling

Status indicator	Red LED
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Safety and protection

Rated voltage	250 V
Rated surge voltage	4 kV
Pollution degree	3
Dielectric strength (control/load circuit) (AC, 1 min)	5 kVrms
Dielectric strength (open contact) (AC, 1 min)	1.25 kVrms
Safety information 1	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.
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 inch

Physical data

Width	15 mm / 0.591 inch
Height	86 mm / 3.386 inch
Depth from upper-edge of DIN-rail	54 mm / 2.126 inch

Mechanical data

Mounting type	DIN-35 rail
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Material data

Fire load	0.676 MJ
Weight	46.6 g

Environmental requirements

Ambient temperature (operation at U _N)	-40 ... 70 °C
Surrounding air temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C

Standards and specifications

Standards/specifications	EN 61010-2-201 EN 61810-1 EN 61373
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Basic relay

WAGO Basic Relay	788-910
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Commercial data

Product Group	6 (Interface Electronics)
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 7.0	EC001437
ETIM 6.0	EC001437
PU (SPU)	20 (1) Stück
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4045454988586
Customs tariff number VKOrg Germany	85364900990

Approvals / Certificates

Country specific Approvals



Approval	Standard	Certificate name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122/19

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 788-357	↓

Documentation

Additional Information			
Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 259.56 KB	↓

Bid Text			
788-357	25.01.2019	docx 16.82 KB	↓
788-357	19.02.2019	xml 5.00 KB	↓
ausschreiben.de 788-357 ↓			

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 788-357	↓

CAE data	
EPLAN Data Portal 788-357	↓
WSCAD Universe 788-357	↓
ZUKEN Portal 788-357	↓

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 mm ² / 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 ² / 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 ² / 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 ² / 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 ² / AWG 2 x 18; red, insulated; 12 mm long; red
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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.: 788-113

Jumper; for jumper slot; 2-way; insulated



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



Item no.: 788-116

Jumper; for jumper slot; 6-way; insulated



Item no.: 788-117

Jumper; for jumper slot; 8-way; insulated; light gray



Item no.: 788-118

Jumper; for jumper slot; from 1 to 3; insulated

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 card; 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 devices



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

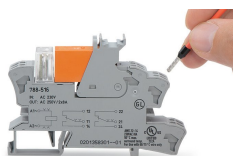


Item no.: 210-720

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.