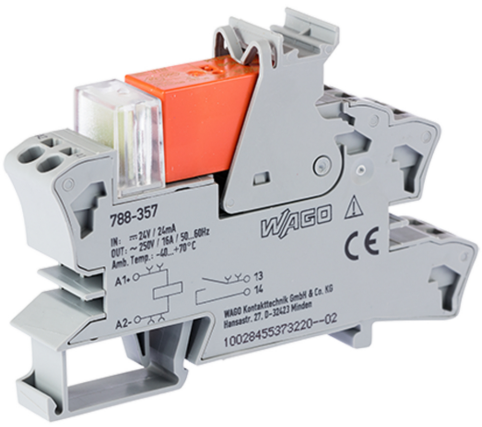
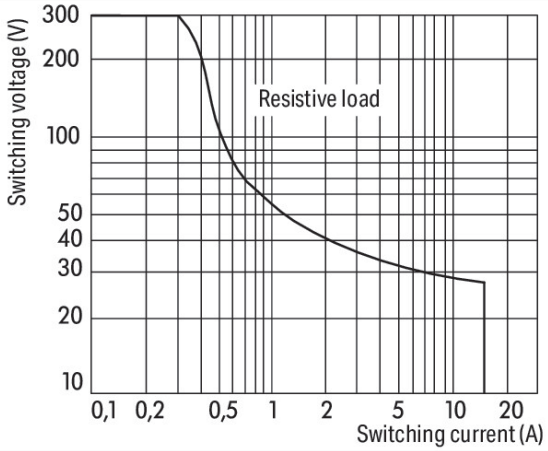
Data Sheet | Item Number: 788-357

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

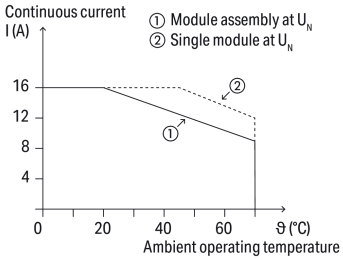
https://www.wago.com/788-357



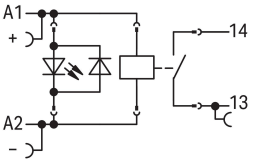
Similar to illustration

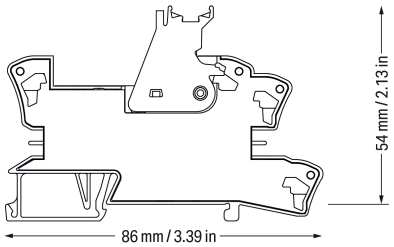


DC load limit curve



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

Nominal input voltage U_N	24 VDC
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; (AC) 800 A / 0.0002 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.)	10 ms
Drop-out time (typ.)	5 ms
Bounce time (typ.)	4 ms
Electrical life (NO; resistive load; 23 °C)	5×10^3 switching operations
Mechanical life	5×10^6 switching operations
Switching frequency with/without load (max.)	$6\ min^{-1}$ / $60\ min^{-1}$

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)	1.25 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 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

Continued on next page

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	0.61 MJ
Weight	46.6 g

Environmental requirements

Ambient temperature (operation at U_N)	-40 … +70 °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

Basic relay

WAGO Basic Relay	788-910

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	20 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454988586
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 10.0	EC001437
ECCN	NO US CLASSIFICATION

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Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	babc2a5a-a9bb-4135-9960-d9b8c4206802
SCIP notification number (Belgium)	b452303e-eb2c-48f0-ab77-0e5c9c459413
SCIP notification number (Bulgaria)	fd47c817-e582-407f-9a00-db1223a0c3b6
SCIP notification number (Czech Republic)	f9d51631-7835-4865-9d5f-176ec5c9ea60
SCIP notification number (Denmark)	a8e24257-1777-49ed-9aa3-045199832f1c
SCIP notification number (Finland)	41623a29-f23d-43f8-b515-811b4c6ac10d
SCIP notification number (France)	4735d5ef-a0e1-49e4-a86d-5408efebb3d2
SCIP notification number (Germany)	b2795378-43b9-4ebc-acb7-60dc6c3bb973
SCIP notification number (Hungary)	b49f3a84-1fd3-46e6-8538-ebd09884c81e
SCIP notification number (Italy)	3db27348-bd0c-49af-915d-e13762312c5f
SCIP notification number (Netherlands)	187dbf87-6f40-4909-ba2a-29de7f0a536d
SCIP notification number (Poland)	ccd1554e-58ef-4413-9926-f78c621f2915
SCIP notification number (Romania)	0e7ab2aa-a88d-4d70-b8b5-2e045954f329
SCIP notification number (Sweden)	47f6aa62-176e-4c7e-b27a-ba8f9b371008

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03084

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-357

Documentation

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

Continued on next page

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 788-357	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 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

Continued on next page

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

Continued on next page

1.1.5 Tool

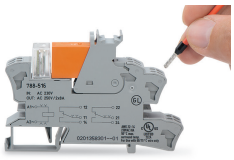
1.1.5.1 Operating tool



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

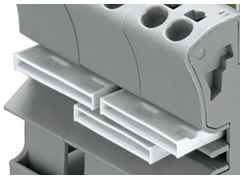
Installation Notes

Conductor termination



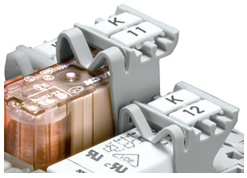
Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.