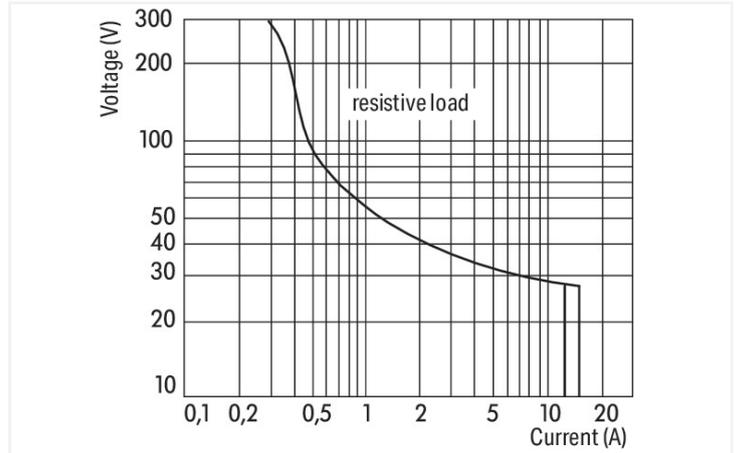
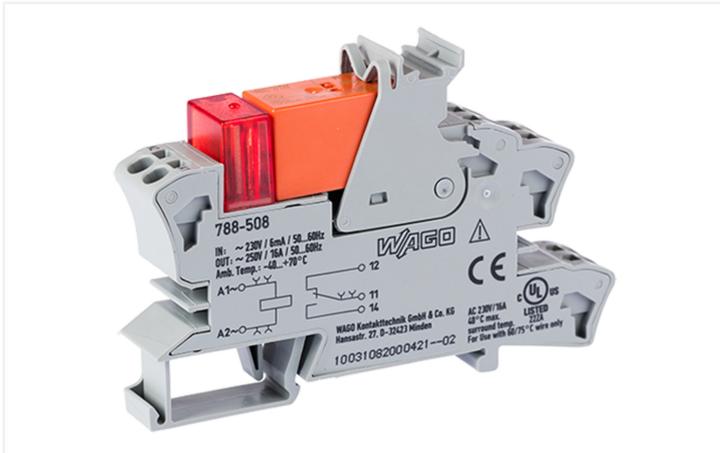


Data Sheet | Item Number: 788-508

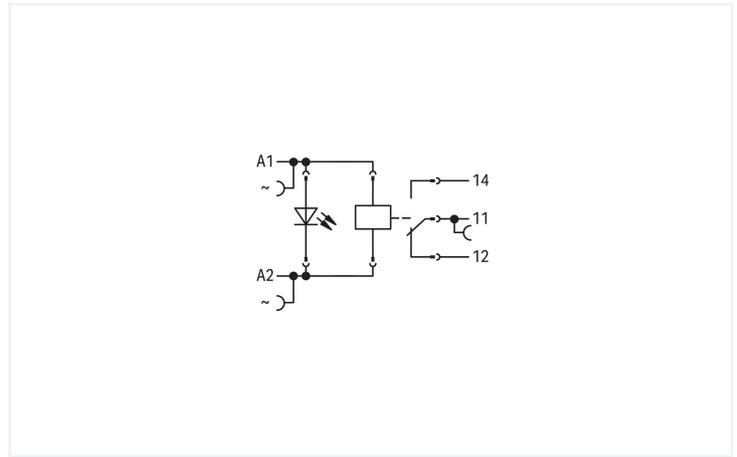
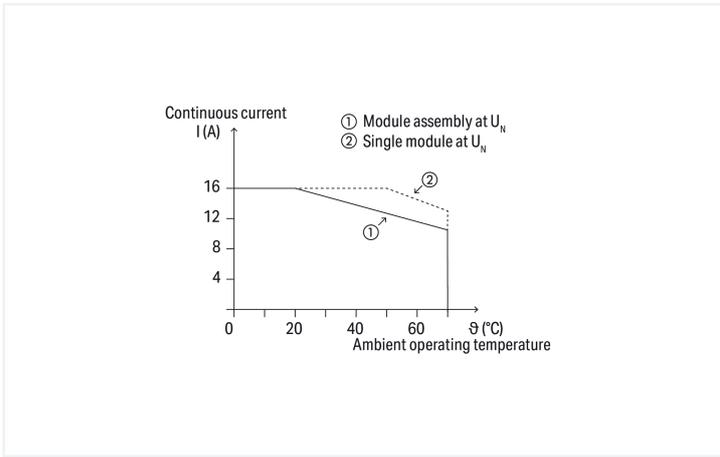
Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm; 2,50 mm²; gray

<https://www.wago.com/788-508>

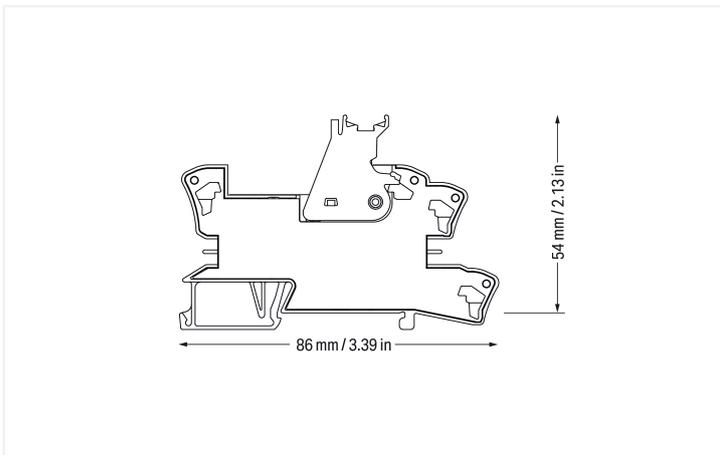


Color: ■ gray

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	230 VAC
Input voltage range	$\pm 10\%$
Nominal input current at U_N	4 mA

Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi 90/10
Limiting continuous current	16 A
Inrush current (resistive) max.	(AC) 30 A / 4 s
Switching Voltage, Max.	250 VAC
Switching power (resistive) max.	AC 4000 VA; DC (see load limit curve)
Switching capacity	AC-15: 6 A / 250 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	10 ms
Drop-out time (typ.)	35 ms
Bounce time (typ.)	6 ms
Electrical life (NO; resistive load; 23 °C)	30×10^3 switching operations
Mechanical life	5×10^6 switching operations
Switching frequency with/without load (max.)	6 min^{-1} / 600 min^{-1}

Signaling

Status indicator	Red LED
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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
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Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Fire load	0.843 MJ
Weight	46 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	$\geq (T_{\text{ambient}} + 20 \text{ K})$

Standards and Specifications

Standards/specifications	EN 61010-2-201 EN 61810-1 EN 61373 UL 508 (max. 40 °C) DNV
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Basic relay

WAGO Basic Relay	788-178
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Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	20 (1) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143192347
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

Environmental Product Compliance

CAS-No.	7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a)
SCIP notification number (Austria)	1ff4f8fd-84d5-44d8-8eed-34cca1e26a49
SCIP notification number (Belgium)	c193c014-da37-41d6-8c7e-f08334dfe84
SCIP notification number (Bulgaria)	e04c232c-7216-4c6a-9dd8-11f3575588ee
SCIP notification number (Czech Republic)	0a4c5114-38af-491c-9b67-06be20f57747
SCIP notification number (Denmark)	f8646027-ced0-49e7-8f2f-9d917264cbb6
SCIP notification number (Finland)	19d83842-fef3-4481-aac5-5450a6ca83ed
SCIP notification number (France)	c62f1a8e-c6c9-436e-8b6c-19919b833cc9
SCIP notification number (Germany)	863e063b-247f-41c0-9d76-fdbccac297bd
SCIP notification number (Hungary)	2da77dbb-2c11-4158-8fb9-4f668ae81af4
SCIP notification number (Italy)	ca06c26d-b965-4ef5-88db-fe2b0dd29334
SCIP notification number (Netherlands)	162cfe5b-b770-480c-9994-327f7741468a
SCIP notification number (Poland)	78bbbc07-5984-440d-9360-29004fccb15b
SCIP notification number (Romania)	db2f516b-0cb7-4862-a0dc-d05708b95da4
SCIP notification number (Sweden)	0d6c29c4-589d-4cc4-b325-89aaa52177c6

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

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

Approvals for marine applications



Approval	Standard	Certificate Name
DNV DNV Germany GmbH	DNV-CG-0339, Aug.2021	TAA00001D1

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-508



Documentation

Bid Text

788-508	19.02.2019	xml 4.61 KB	
788-508	25.01.2019	docx 16.52 KB	

Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1 09.10.2020	pdf 2271.22 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 788-508



CAE data

EPLAN Data Portal 788-508	
WSCAD Universe 788-508	
ZUKEN Portal 788-508	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



[Item No.: 788-178](#)

Basic relay; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 16 A; Module width: 13 mm; Module height: 15 mm

1.1.2 Ferrule

1.1.2.1 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

1.1.3 Filter module

1.1.3.1 Suppressor module



Item No.: 788-148

Filter module; RC filter element; Nominal voltage: 230 VAC

1.1.4 Indicators

1.1.4.1 Status indication



Item No.: 788-125

Accessories for relay modules; Operation status indicator: red

1.1.5 Jumper

1.1.5.1 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

1.1.6 Marking

1.1.6.1 Double marker carrier



Item No.: 209-128

Adaptor; gray

1.1.6.2 Group marker carrier



Item No.: 249-105

Group marker carrier; gray



Item No.: 209-145

Group marker carrier; white

1.1.6.3 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

1.1.6.4 Marking device



Item No.: 210-110

Fiber-tip pen

1.1.6.5 Marking strip



Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.6.6 Protective marker cover



Item No.: 209-184

Protection cover; transparent

1.1.7 Tool

1.1.7.1 Operating tool

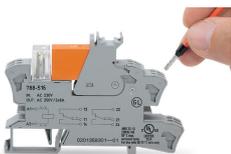


Item No.: 210-720

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.