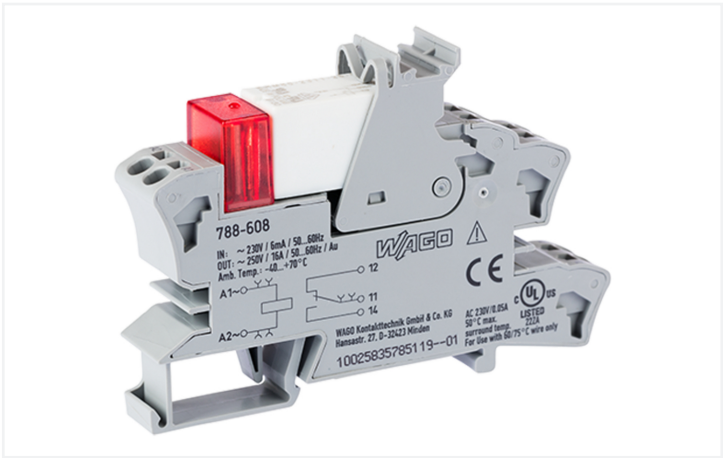


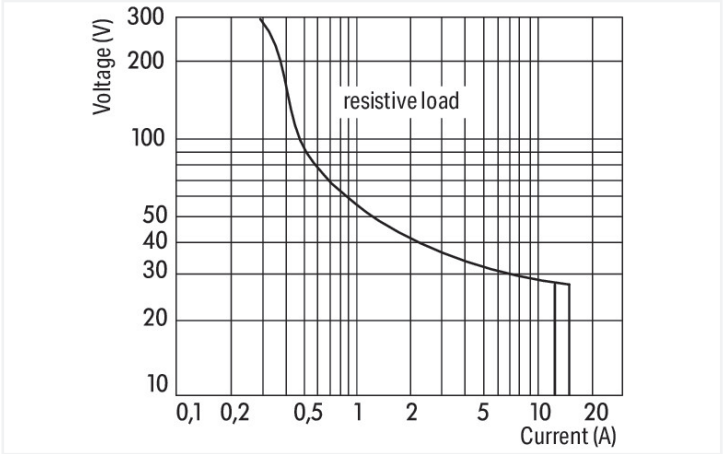
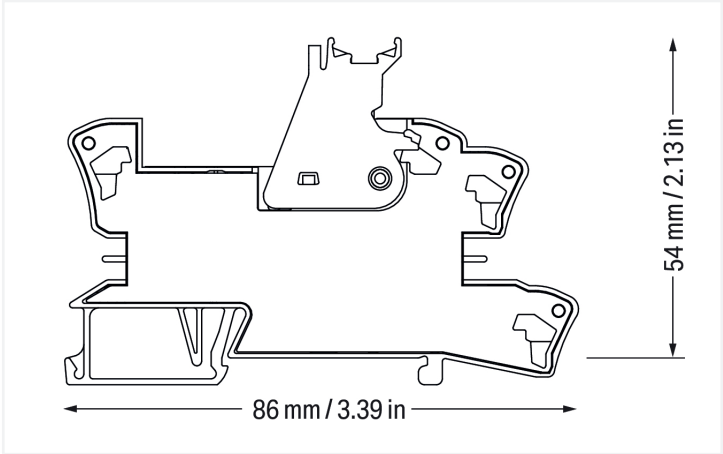
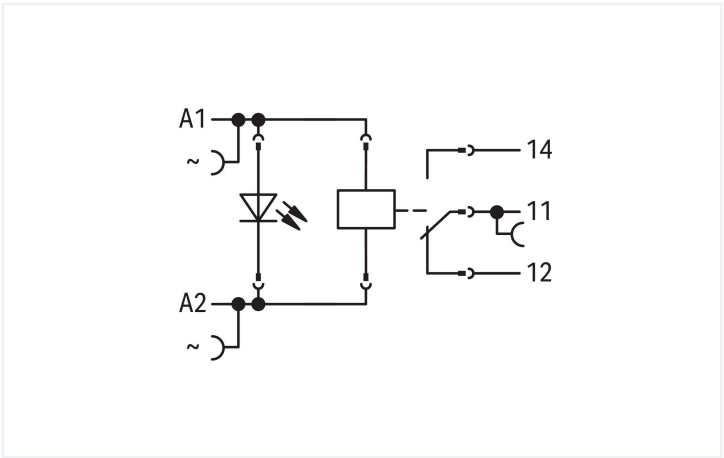
Data Sheet | Item Number: 788-608

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

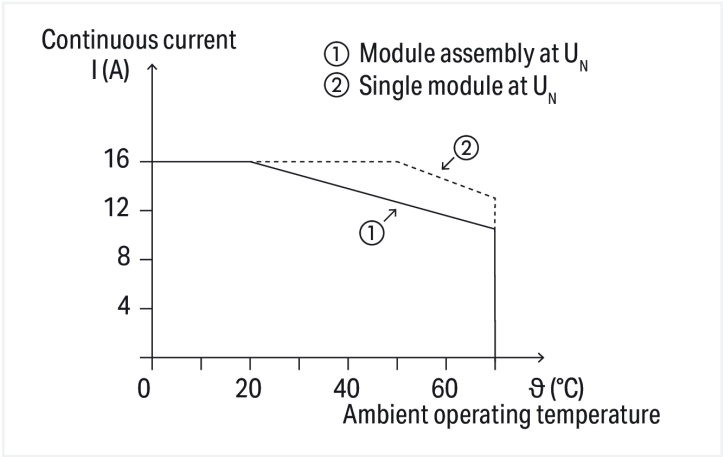
<https://www.wago.com/788-608>



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 prevent damaging the gold layer, 30 VDC switching voltages and 50 mA currents must not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life. 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	230 VAC
Input voltage range	±10 %
Nominal input current at U _N	5 mA
	Number of changeover/switchover contacts
	1
	Contact material (relay)
	AgNi + Au
	Limiting continuous current
	16 A
	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
	5 V / 2 mA / 50 mW
	Pull-in time (typ.)
	7 ms
	Drop-out time (typ.)
	3 ms
	Electrical life (NO; resistive load; 23 °C)
	70 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 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



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
Color		gray
Fire load		0.87 MJ
Weight		47.8 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 DNV

Basic relay		
WAGO Basic Relay		788-179

Commercial data		
Product Group		6 (INTERFACE ELECTRONIC)
PU (SPU)		20 (1) pcs
Packaging type		Box
Country of origin		DE
GTIN		4055143998055
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 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)	3694ca5b-67a6-4ebe-8f3c-414eda20fab5
SCIP notification number (Belgium)	555a9059-b58d-42cd-9788-ff1e3dcddeb6
SCIP notification number (Bulgaria)	0ac4afdb-60a6-4bf3-8c29-71aa75ef352b
SCIP notification number (Czech Republic)	214597cc-7c59-45ea-9f2d-d7af98952dcd
SCIP notification number (Denmark)	d8b08b82-e6f0-4bf4-960a-e4bcb748e26a
SCIP notification number (Finland)	63baaebc-312d-4abe-9ac5-66e2601788bd
SCIP notification number (France)	c99520af-ad87-4921-aed9-ecfc6ab1d0c4
SCIP notification number (Germany)	eee2b7b4-7f80-43c9-8590-ac2fdde0c662
SCIP notification number (Hungary)	63b4f2b2-6cd6-4744-9c85-e4c5c917aabf
SCIP notification number (Italy)	1046d58c-c060-44b4-94c4-d5d289f08922
SCIP notification number (Netherlands)	54f28c8b-006b-4d9a-a9b9-115c62c5fdca
SCIP notification number (Poland)	3ccd9e55-19c1-4aa0-8e25-99071c6889c3
SCIP notification number (Romania)	50426f91-9aff-4b7b-8c44-73776e0778b9
SCIP notification number (Sweden)	2bd076d7-174e-41c5-9079-3b2dda0c9e81

Approvals / Certificates

General approvals

EAC

UL

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

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	-	-

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 788-608

Download icon

Documentation

Bid Text

788-608	19.02.2019	xml 4.90 KB	Download icon
788-608	25.01.2019	docx 16.85 KB	Download icon

Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1 09.10.2020	pdf 2271.22 KB	Download icon
------------------------------------	-----------------------	-------------------	---------------

CAD/CAE-Data

CAD data

2D/3D Models 788-608

Download icon

CAE data

EPLAN Data Portal 788-608

Download icon

WSCAD Universe 788-608

Download icon

ZUKEN Portal 788-608

Download icon

1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



Item No.: 788-179
Basic relay; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 16 A; with gold contacts; 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



1.1.2.1 Ferrule



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

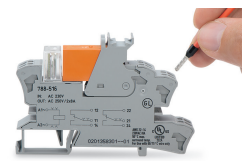
1.1.7.1 Operating tool



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

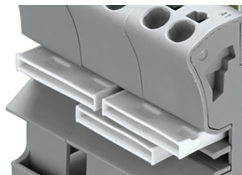
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.