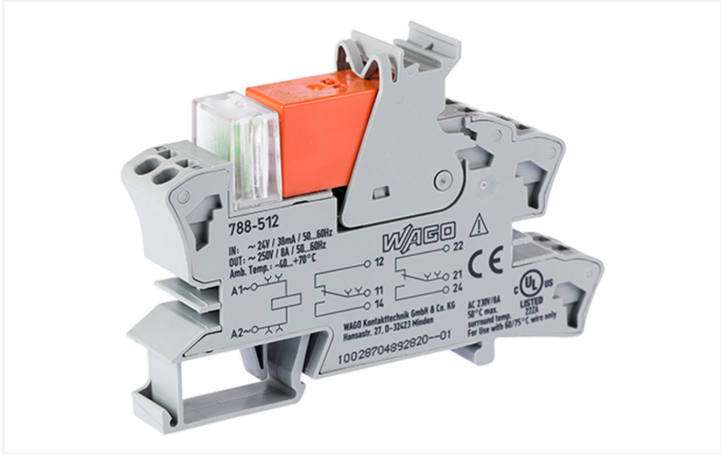


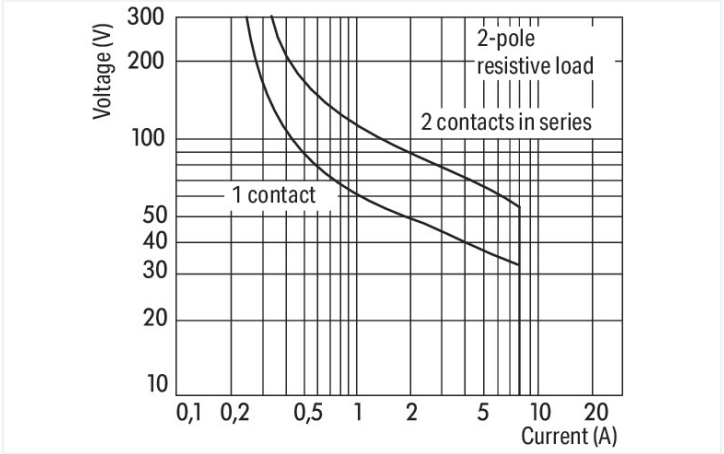
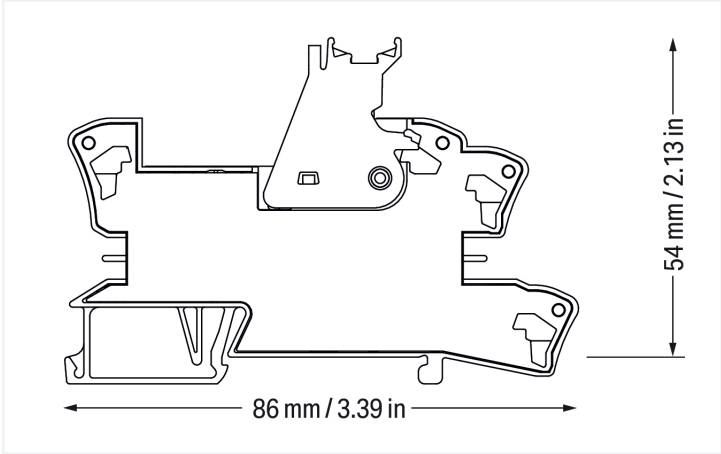
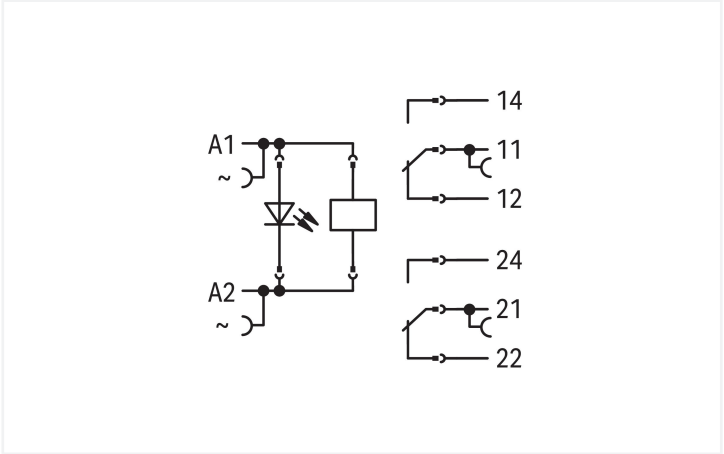
Data Sheet | Item Number: 788-512

Relay module; Nominal input voltage: 24 VAC; 2 changeover contacts; Limiting continuous current: 8 A; Red status indicator; Module width: 15 mm; 2,50 mm²; gray

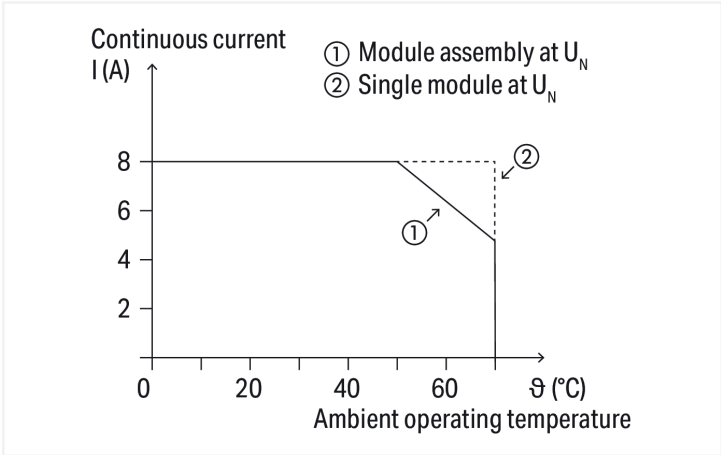
<https://www.wago.com/788-512>



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 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	Load circuit
Nominal input voltage U _N	24 VAC
Input voltage range	±10 %
Nominal input current at U _N	34 mA
	Number of changeover/switchover contacts
	2
	Contact material (relay)
	AgNi 90/10
	Limiting continuous current
	8 A
	Inrush current (resistive) max.
	(AC) 15 A / 4 s
	Switching Voltage, Max.
	250 VAC
	Switching power (resistive) max.
	AC 2000 VA; DC (see load limit curve)
	Switching capacity
	AC-15: 3 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.)
	10 ms
	Electrical life (NO; resistive load; 23 °C)
	10 x 10 ³ switching operations
	Mechanical life
	30 x 10 ⁶ switching operations
	Switching frequency with/without load (max.)
	6 min ⁻¹ / 1200 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 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	2.5 kVrms
Safety Information	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 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		0.891 MJ
Weight		47.7 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		788-172

Commercial data		
Product Group		6 (INTERFACE ELECTRONIC)
PU (SPU)		20 (1) pcs
Packaging type		Box
Country of origin		CN
GTIN		4045454424145
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.	80-05-7	
REACH Candidate List Substance	4,4'-isopropylidenediphenol	
RoHS Compliance Status	Compliant,No Exemption	
SCIP notification number (Austria)	138854ad-fe25-40cb-90a6-6e03e8a47315	
SCIP notification number (Belgium)	733aa775-f570-4d09-ad68-ef1ea76c9646	
SCIP notification number (Bulgaria)	8b0d87ac-0253-4ae9-9bfe-a545e33a5038	
SCIP notification number (Czech Republic)	b28923b9-133d-424a-ab3a-400ab993b523	
SCIP notification number (Denmark)	b0ba3e53-ba13-49bd-b9f7-d98e9def9abb	
SCIP notification number (Finland)	e415852b-a4d9-4256-89b1-636210ee94d8	
SCIP notification number (France)	bf734a02-23de-4d22-af63-38adb4107345	
SCIP notification number (Germany)	928cccb2-9eab-42dc-93f3-fa95ed01dd6b	
SCIP notification number (Hungary)	aabaecf4-dd9e-4499-94f4-821b28e59063	
SCIP notification number (Italy)	d603cc10-32d1-40f1-b9e8-f376b886193e	
SCIP notification number (Netherlands)	7a182fff-b4a9-49ea-aa50-d1d07858cbc4	
SCIP notification number (Poland)	76aa8fd7-5246-4d81-9aed-aa200ebb1263	
SCIP notification number (Romania)	f02f98e7-ea07-437b-b54e-6387f376f32a	
SCIP notification number (Sweden)	eae4bed4-3343-4140-a849-3bd0a71e4818	

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
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
PRS Polski Rejestr Statków	-	TE/1098/880590/23



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 788-512			

Documentation

Bid Text				Instruction Leaflet			
788-512	19.02.2019	xml 4.60 KB		Sockets with Elementary Relay/ SSR	V 1.0.1 09.10.2020	pdf 2271.22 KB	
788-512	25.01.2019	docx 16.41 KB					

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 788-512		EPLAN Data Portal 788-512	
		WSCAD Universe 788-512	
		ZUKEN Portal 788-512	

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 Filter module

1.1.2.1 Suppressor module



[Item No.: 788-148](#)
Filter module; RC filter element; Nominal voltage: 230 VAC

1.1.3 Indicators

1.1.3.1 Status indication



[Item No.: 788-123](#)
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VAC

1.1.4 Jumper

1.1.4.1 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

1.1.5 Marking

1.1.5.1 Double marker carrier



[Item No.: 209-128](#)
Adaptor; gray

1.1.5.2 Group marker carrier



[Item No.: 249-105](#)
Group marker carrier; gray



[Item No.: 209-145](#)
Group marker carrier; white



1.1.5.3 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

1.1.5.4 Marking device



Item No.: 210-110
Fiber-tip pen

1.1.5.5 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.5.6 Protective marker cover



Item No.: 209-184
Protection cover; transparent

1.1.6 Tool

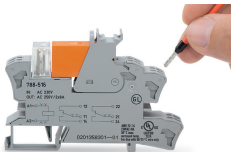
1.1.6.1 Operating tool



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

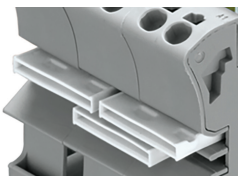
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.