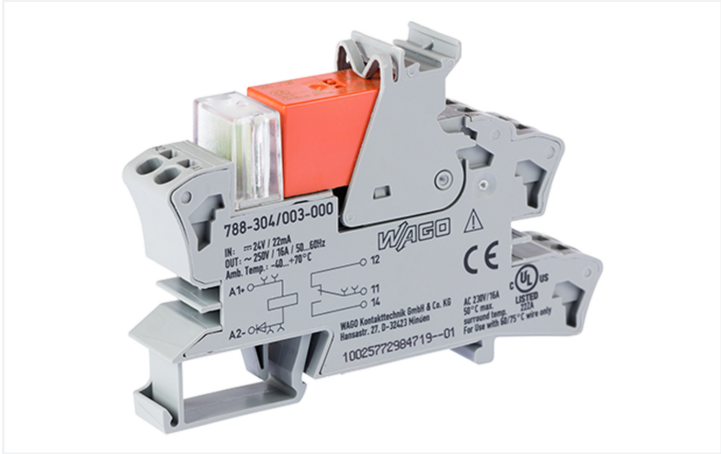


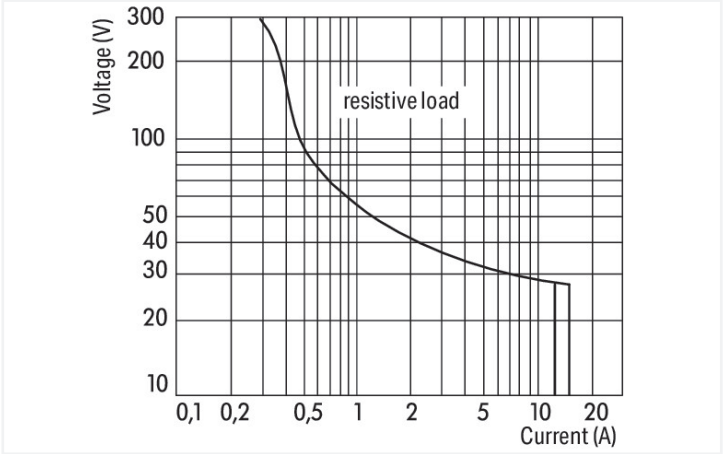
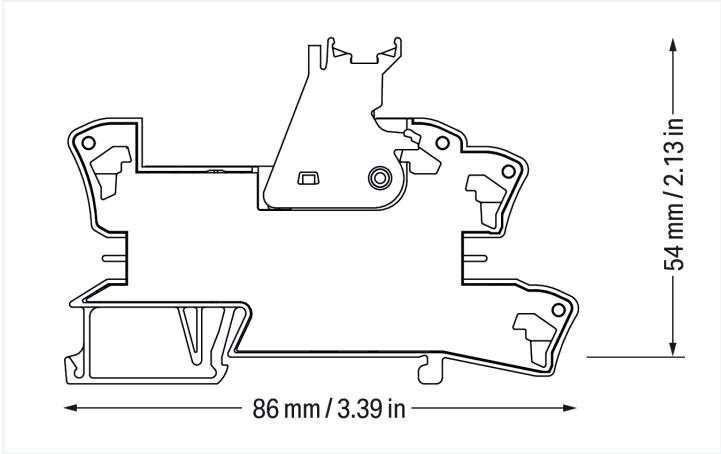
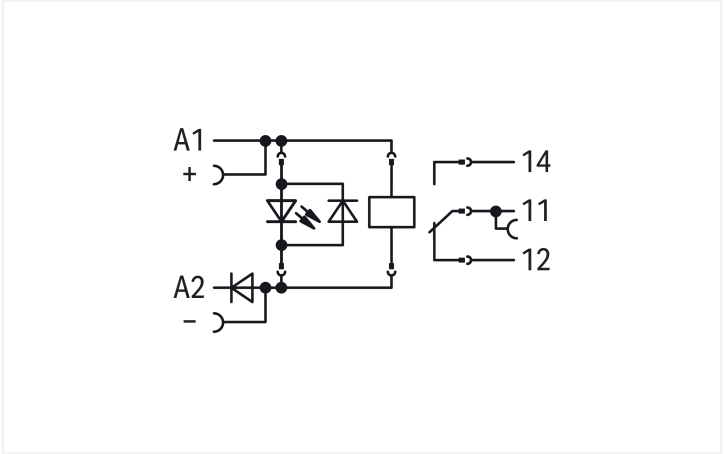
Data Sheet | Item Number: 788-304/003-000

Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm; 2,50 mm²; gray

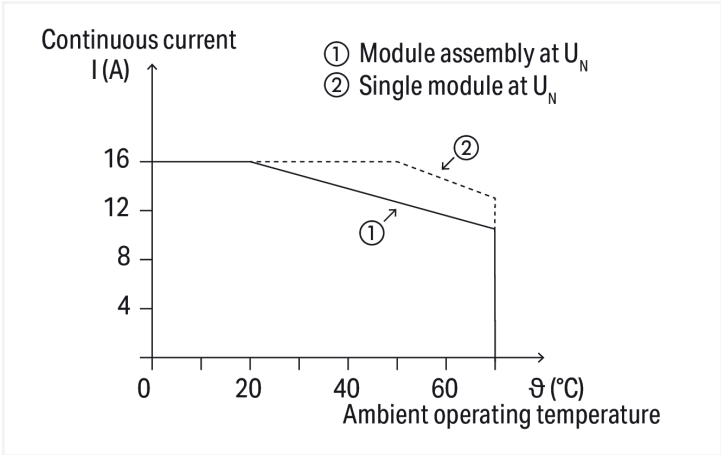
<https://www.wago.com/788-304/003-000>



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 VDC
Input voltage range	-25 ... +30 %
Nominal input current at U _N	19 mA
	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.)
	8 ms
	Drop-out time (typ.)
	6 ms
	Bounce time (typ.)
	6 ms
	Electrical life (NO; resistive load; 23 °C)
	30 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
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 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

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Fire load	0.935 MJ
Weight	46.2 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 UL 508 (max. 10 A) DNV

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	20 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454606916
Customs tariff number	85364900990

Product classification	
UNSPSC	39122334
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) 7(c)-I 7(c)-II
SCIP notification number (Austria)	816bd978-9ba3-47aa-9f1f-e4bff551c8d4
SCIP notification number (Belgium)	fb925642-bd22-48ae-92ff-06837320a6b0
SCIP notification number (Bulgaria)	f8b249eb-cb34-4db1-9fd4-e88dd51e42fa
SCIP notification number (Czech Republic)	2e0531a5-fbac-4ee4-a7a9-ee484dcd3e66
SCIP notification number (Denmark)	b404281b-dec2-4fc6-af97-40af4f48b14d
SCIP notification number (Finland)	a561e538-5f66-4165-950b-11c4845b2a7e
SCIP notification number (France)	65ce2eb6-d590-4c14-ab49-c3e056f5ea77
SCIP notification number (Germany)	b6ff49db-04ce-44a4-a556-db951fe5861b
SCIP notification number (Hungary)	2092240a-2239-4831-914b-07d18e3397f8
SCIP notification number (Italy)	4c6b8202-ffc3-4d7d-bd83-455642b0e151
SCIP notification number (Netherlands)	5bc6c287-ae8f-47fb-879a-99afb93f1454
SCIP notification number (Poland)	a886d9b8-b2c8-4dea-ac65-5a6208acb568
SCIP notification number (Romania)	23aa1a12-34e7-4cf3-9c5e-a4e97a16bf09
SCIP notification number (Sweden)	471625b4-508f-437d-a47b-0d7c5578f138

Approvals / Certificates

General approvals



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 Confor- mity 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 788-304/003-000

Documentation

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 788-304/003-000

CAE data
WSCAD Universe 788-304/003-000

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 Jumper

1.1.2.1 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



1.1.3 Marking

1.1.3.1 Double marker carrier



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

1.1.3.2 Group marker carrier



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



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

1.1.3.3 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

1.1.3.4 Marking device



[Item No.: 210-110](#)
Fiber-tip pen

1.1.3.5 Marking strip



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

1.1.3.6 Protective marker cover



[Item No.: 209-184](#)
Protection cover; transparent

1.1.4 Tool

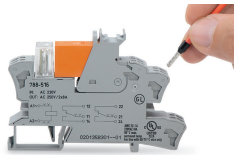
1.1.4.1 Operating tool



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

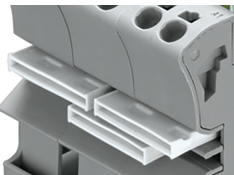
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.