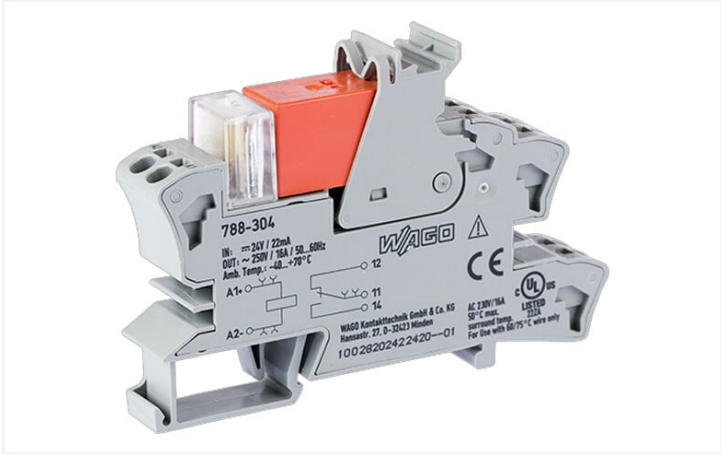


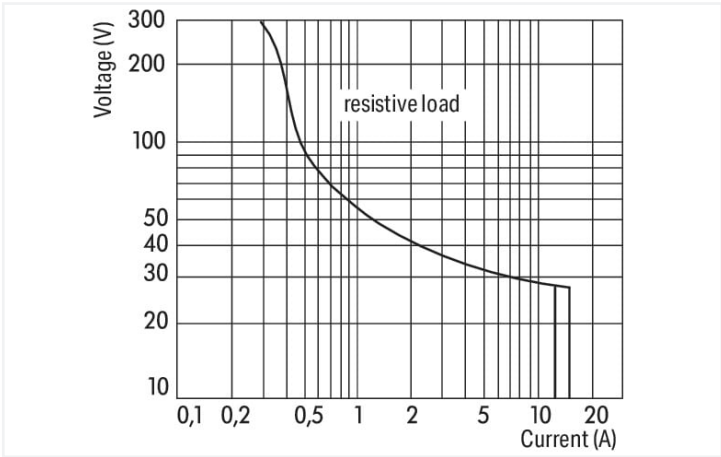
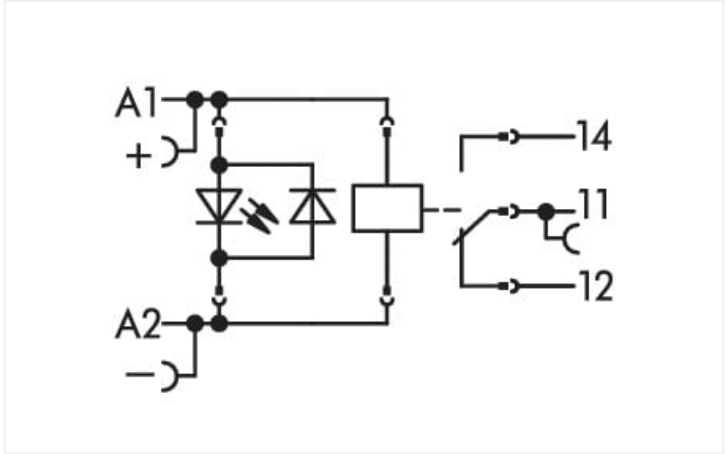
Data Sheet | Item Number: 788-304

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

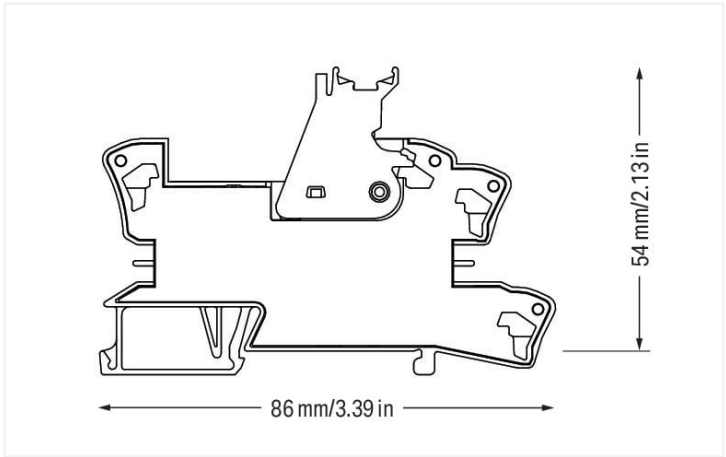
<https://www.wago.com/788-304>



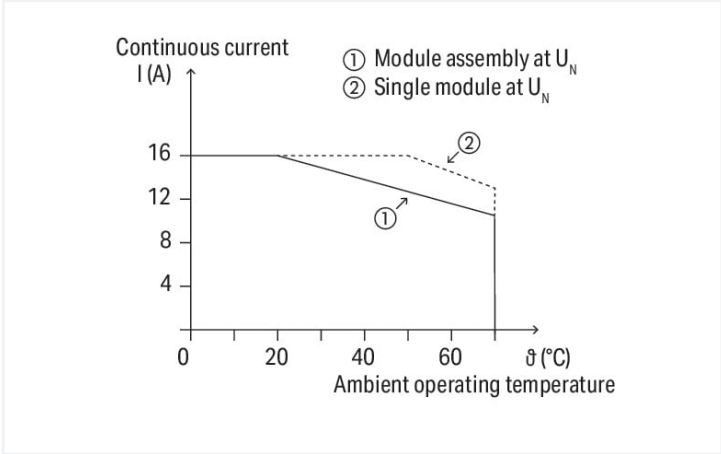
Color: ■ gray



DC load limit curve



Dimensions in mm



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	DC 24 V
Input voltage range	±10 %
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.)
	AC 250 V
	Switching power (resistive) max.
	AC 4000 VA; DC (see load limit curve)
	Switching capacity
	AC-15: 6 A / AC 250 V; DC-13: 2 A / DC 24 V
	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 surge 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 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
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Material data

Color	gray
Fire load	0.927 MJ
Weight	45.9 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	$\geq (T_{\text{ambient}} + 20 \text{ K})$

Standards and specifications

Standards/specifications	EN 61010-2-201 EN 61810-1 EN 61373 UL 508 (max. 10 A)
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Basic relay

WAGO Basic Relay	788-154
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Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 8.0	EC001437
ETIM 7.0	EC001437
PU (SPU)	20 (1) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143184113
Customs tariff number	85364900990



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)	84ae7b9f-3fe5-4da9-9731-c89b39422f3e
SCIP notification number (Belgium)	162bfd49-de13-43b9-abc4-68173c689386
SCIP notification number (Bulgaria)	2a4fbf75-e73d-443c-b5b9-dffc28501cd
SCIP notification number (Czech Republic)	cd025afe-2a02-4a21-bc80-bcaeb91ff082
SCIP notification number (Denmark)	ac5d1b6f-9680-4651-98af-86c04d78ab67
SCIP notification number (Finland)	85fa947a-6a38-4d85-90dc-4c12aecd5137
SCIP notification number (France)	5cf9e1db-eef0-4269-b4a6-7376973f581e
SCIP notification number (Germany)	cedcf22f-3718-4ebf-a376-4488406c01d6
SCIP notification number (Hungary)	f211f016-224b-4f18-9217-e87c0676401a
SCIP notification number (Italy)	203e48c6-de1b-4349-b952-1c69055eee16
SCIP notification number (Netherlands)	382a1d8e-79e5-4426-9fcd-4c35748754e4
SCIP notification number (Poland)	9a8d598b-7e0b-43ea-b5a3-09a5a851620a
SCIP notification number (Romania)	985e8d7f-acb8-4cf2-afc8-6b464f4db8e7
SCIP notification number (Sweden)	ca754066-af24-4b2e-9d81-e882de52b25c

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122/19
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	UL 508	E175199 Vol.1 Sec.6
		Approval Standard Certificate Name EU-Declaration of Confor- - - mity WAGO GmbH & Co. KG UK-Declaration of Confor- - - mity WAGO GmbH & Co. KG

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 788-304	

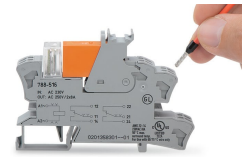
Documentation			
Bid Text		Instruction Leaflet	
788-304	25.01.2019	docx 16.30 KB	
788-304	19.02.2019	xml 4.60 KB	
ausschreiben.de 788-304			
		Sockets with Elementa- V 1.0.1 ry Relay/ SSR 09.10.2020	pdf 2271.22 KB

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 788-304	EPLAN Data Portal 788-304
	WSCAD Universe 788-304
	ZUKEN Portal 788-304

Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.