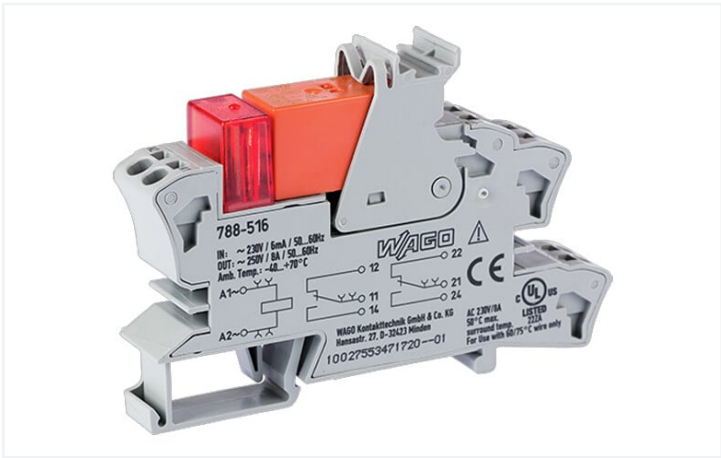


Data Sheet | Item Number: 788-516

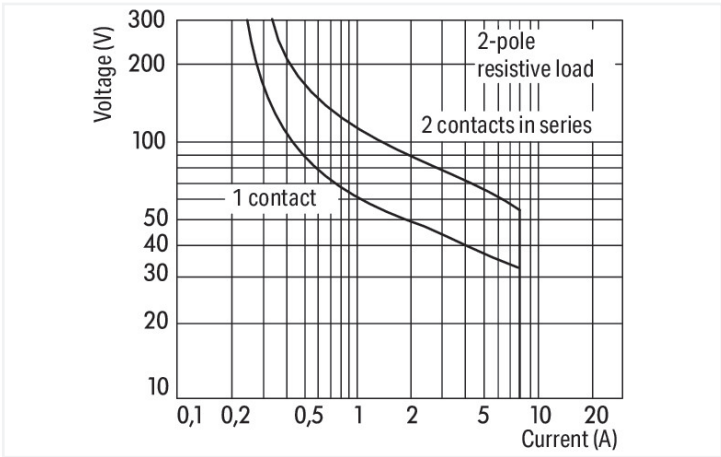
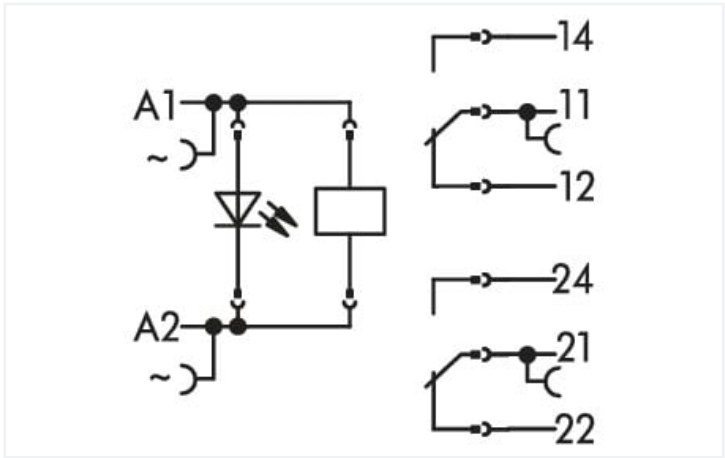
Relay module; Nominal input voltage: 230 VAC; 2 changeover contacts; Limiting continuous current: 8 A; Red status indicator; Module width: 15 mm; 2,50 mm²; gray



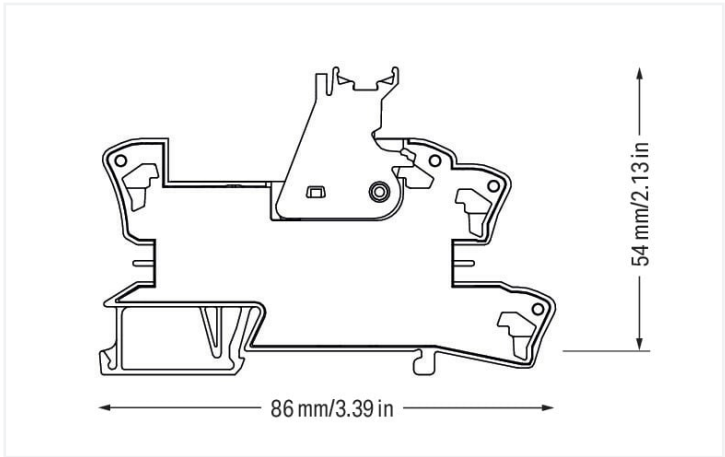
<https://www.wago.com/788-516>



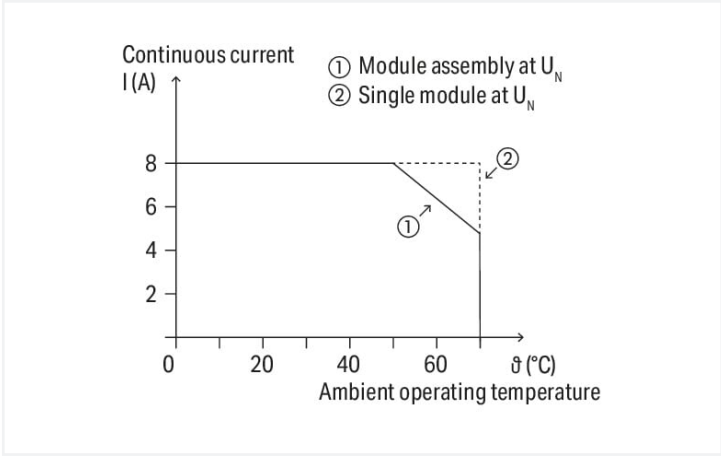
Color: ■ gray



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	AC 230 V
Input voltage range	±10 %
Nominal input current at U _N	4 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.)
	AC 250 V
	Switching power (resistive) max.
	AC 2000 VA; DC (see load limit curve)
	Switching capacity
	AC-15: 3 A / AC 250 V; DC-13: 2 A / DC 24 V
	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 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
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		
Color		gray
Fire load		0.846 MJ
Weight		45.7 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		788-180

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		4055143192378
Customs tariff number		85364900990



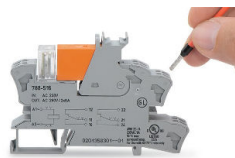
Environmental Product Compliance	
CAS-No.	7439-92-1 79-94-7 80-05-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	b0e534fc-6e2a-476f-af3a-adc4f5ad784e
SCIP notification number (Belgium)	f5fb74a2-c3b0-40c0-98da-03976d135990
SCIP notification number (Bulgaria)	19a69d1f-1eac-4af1-a82f-60b7cd39e307
SCIP notification number (Czech Republic)	e9ac98ec-36be-424b-bf0a-c385a9fb437c
SCIP notification number (Denmark)	97398917-a0b9-438b-a009-ec705113136d
SCIP notification number (Finland)	6d5f6774-30bf-43ed-a808-bbc48db312c5
SCIP notification number (France)	33f68cdd-e88a-4b75-9ddb-b9542e5e979b
SCIP notification number (Germany)	e244a908-f765-40c7-b634-d9738f4d9568
SCIP notification number (Hungary)	62cbd900-173a-420f-aa49-b0385499542a
SCIP notification number (Italy)	30a343f2-20a6-4847-a57e-6c4f35c2ab5b
SCIP notification number (Netherlands)	a241131d-fb8e-47da-99b3-176d01cbd59d
SCIP notification number (Poland)	18110e8e-0396-4ae3-9bcd-6399915f98d2
SCIP notification number (Romania)	4c1827a3-594e-47e5-93c0-87c8cd85c0df
SCIP notification number (Sweden)	a63b4428-d34d-484d-b9de-d06779aecd17

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
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG
		UK-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/2186/880590/18

Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.