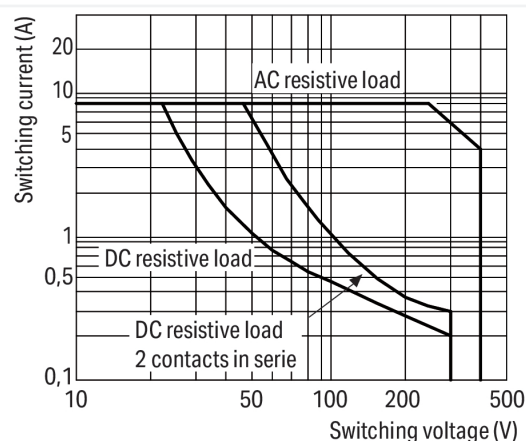
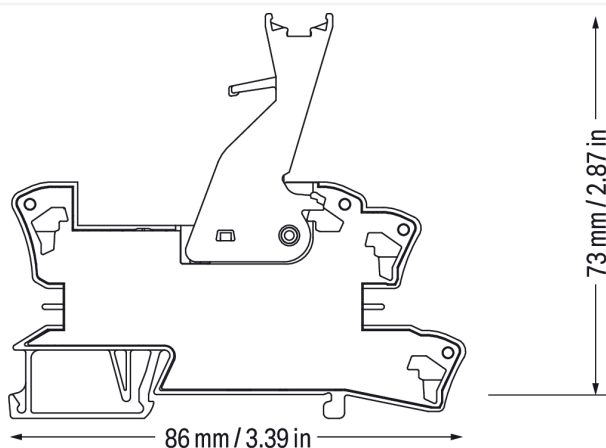
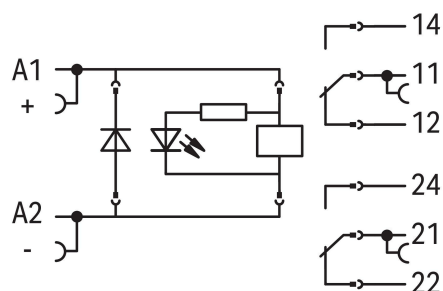
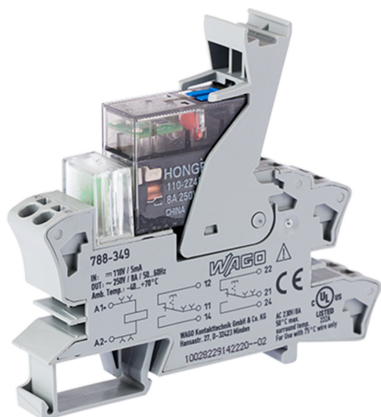


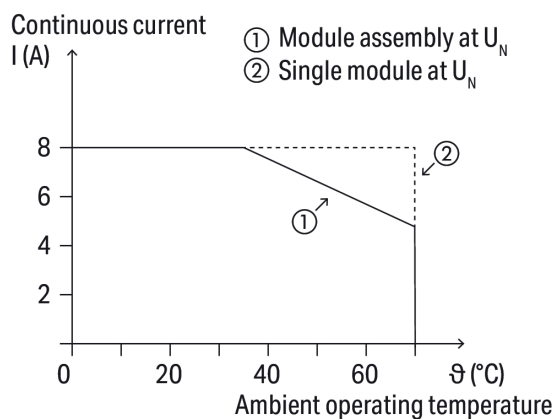
Data Sheet | Item Number: 788-349

Relay module; Nominal input voltage: 110 VDC; 2 changeover contacts; Limiting continuous current: 8 A; with manual operation; Red status indicator; Module width: 15 mm

<https://www.wago.com/788-349>



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	110 VDC
Input voltage range	±10 %
Nominal input current at U _N	4 mA
	Number of changeover/switchover contacts
	2
	Contact material (relay)
	AgNi
	Limiting continuous current
	8 A
	Inrush current (resistive) max.
	(AC) 16 A / 0.02 s; (AC) 12 A / 4 s
	Switching Voltage, Max.
	250 VAC
	Switching power (resistive) max.
	AC 2000 VA; DC (see load limit curve)
	Switching capacity
	AC-15: 1.5 A / 240 VAC; DC-13: 1 A / 24 VDC
	Recommended minimum load
	12 V / 10 mA
	Pull-in time (typ.)
	15 ms
	Drop-out time (typ.)
	8 ms
	Bounce time (typ.)
	7 ms
	Electrical life (NO; resistive load; 23 °C)
	10 x 10 ³ switching operations
	Mechanical life
	5 x 10 ⁶ switching operations
	Switching frequency with/without load (max.)
	6 min ⁻¹ / 300 min ⁻¹

Signaling	
Status indicator	Red LED Mechanical

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 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		73 mm / 2.874 inches

Mechanical data		
Mounting type		DIN-35 rail

Material data		
Note (material data)		Information on material specifications can be found here
Fire load		0.689 MJ
Weight		48.6 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

Commercial data		
Product Group		6 (INTERFACE ELECTRONIC)
PU (SPU)		15 (1) pcs
Packaging type		Box
Country of origin		DE
GTIN		4050821226833
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	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
EAC UL			Approval	Standard	Certificate Name
EAC	TP TC 004/2011	EAC CoC 03084	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
GZO Almaty Standart					
UL	UL 508	E175199 Vol.1 Sec.6			
Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)					

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 788-349	

Documentation

Instruction Leaflet			
Sockets with Elementa- ry Relay/ SSR	V 1.0.1 09.10.2020	pdf 2271.22 KB	

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 788-349		EPLAN Data Portal 788-349	
		WSCAD Universe 788-349	
		ZUKEN Portal 788-349	



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 Indicators

1.1.2.1 Status indication



[Item No.: 788-122](#)
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 110 VDC

1.1.3 Jumper

1.1.3.1 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

1.1.4 Marking

1.1.4.1 Double marker carrier



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



1.1.4.2 Group marker carrier



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



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

1.1.4.3 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

1.1.4.4 Marking device



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

1.1.4.5 Marking strip



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

1.1.4.6 Protective marker cover



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

1.1.5 Tool

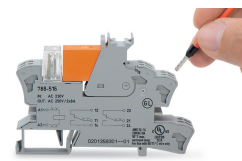
1.1.5.1 Operating tool



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

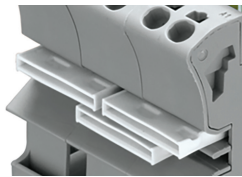
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.