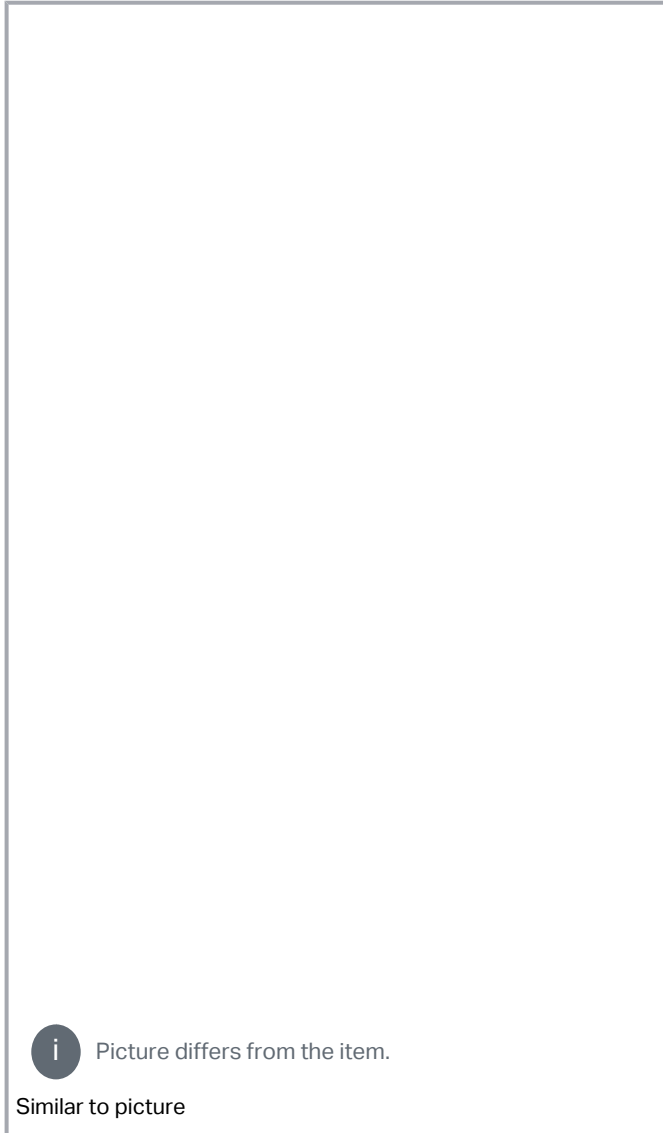


**Data sheet | Item number: 788-180**

Basic relay; Nominal input voltage: 230 VAC; 2 changeover contacts;  
Limiting continuous current: 8 A; Module width: 13 mm; Module height: 15 mm



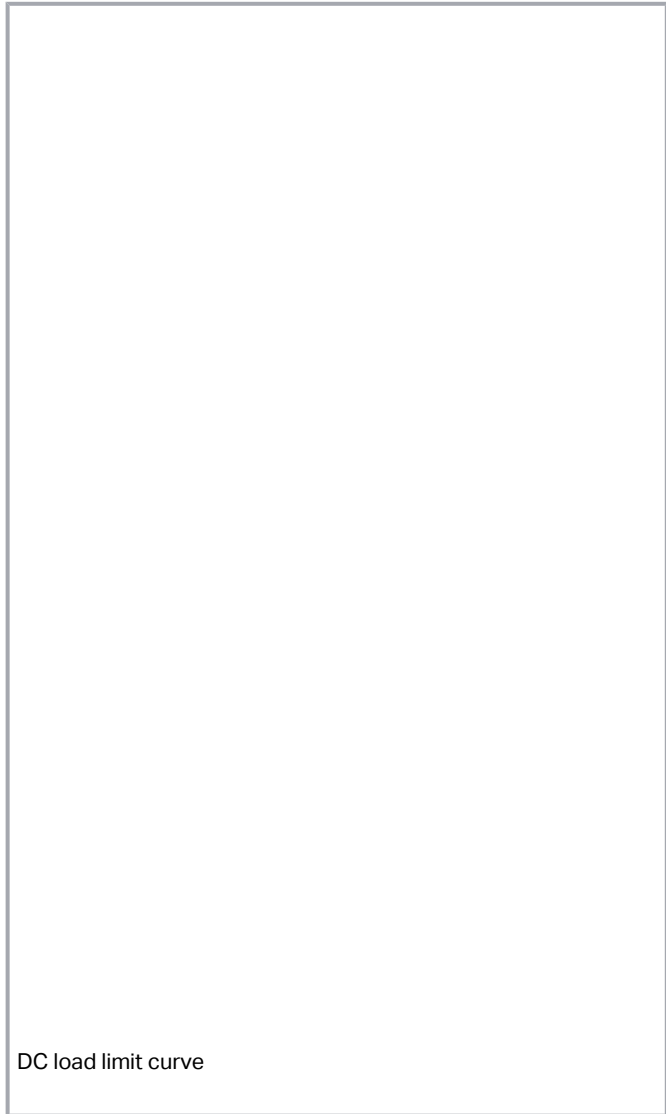
[www.wago.com/788-180](http://www.wago.com/788-180)



Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



DC load limit curve

## Data

### Technical data

### Control Circuit

Nominal input voltage $U_N$	AC 230 V
-----------------------------	----------

Nominal input current at $U_N$	8 mA
--------------------------------	------

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Load circuit

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.)	8 ms
Drop-out time (typ.)	6 ms
Bounce time (typ.)	10 ms
Electrical life (NO; resistive load; 23 °C)	10 x 10 <sup>3</sup> switching operations
Mechanical life	30 x 10 <sup>6</sup> switching operations
Switching frequency with/without load (max.)	6 min <sup>-1</sup> / 1200 min <sup>-1</sup>

## Safety and protection

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
Protection type	IP40

## Physical data

Width	12.7 mm / 0.5 inches
Height from the surface	15.7 mm / 0.618 inches
Depth	29 mm / 1.142 inches

## Mechanical data

Mounting type	Pluggable module
---------------	------------------

## Material Data

Fire load	0.194 MJ
Weight	12.9 g

Subject to changes. Please also observe the further product documentation!

## Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-40 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C

## Standards and specifications

Standards/specifications	EN 61810-1
--------------------------	------------

## 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 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821867920
Customs tariff number	85364900990

## Environmental Product Compliance

CAS-No.	80-05-7
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	42ca39fd-429e-489d-af30-b5c2a05c93da
SCIP notification number (Belgium)	31db0a7c-ac58-4b0b-8351-e3fce40969e3
SCIP notification number (Denmark)	f7ebfe1b-ad59-4f4f-97a9-072c43e4aae0
SCIP notification number (Finland)	74f9c2eb-619a-4ae9-9f3c-7ebdc2f3bddb
SCIP notification number (France)	deefb450-543e-4ffa-8aab-0bc553dd3b27
SCIP notification number (Hungary)	dc05eb0b-5c6f-4d3b-b61f-c3b4daf2b11a
SCIP notification number (Italy)	49ae42ad-66ac-4669-8dc8-2251db5f0fbe
SCIP notification number (Netherlands)	a4a3752e-ff44-4326-b8bb-06c0c1a3a5de

## Optional accessories

### Sockets

Socket without relay
----------------------

Item no.: 788-102

Subject to changes. Please also observe the further product documentation!

## Downloads

### Documentation

#### Bid Text

788-180 docx - Datei	2019 年2月20 日	docx 15.9 kB	Download
-------------------------	--------------	-----------------	----------

788-180 X81 - Datei	2019 年2月19 日	xml 3.7 kB	Download
------------------------	--------------	---------------	----------

#### Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
---	-------------------------	---------------	----------

## CAD/CAE-Data

### CAE data

WSCAD Universe 788-180		URL	Download
------------------------	--	-----	----------

### CAD data

2D/3D Models 788-180		URL	Download
----------------------	--	-----	----------

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 788-180 Basic relay; Nominal input voltage: 230 VAC; 2 changeover contacts; Limiting continuous current: 8 A; Module width: 13 mm; Module height: 15 mm		URL	Download
---	--	-----	----------

## Installation Notes

Subject to changes. Please also observe the further product documentation!