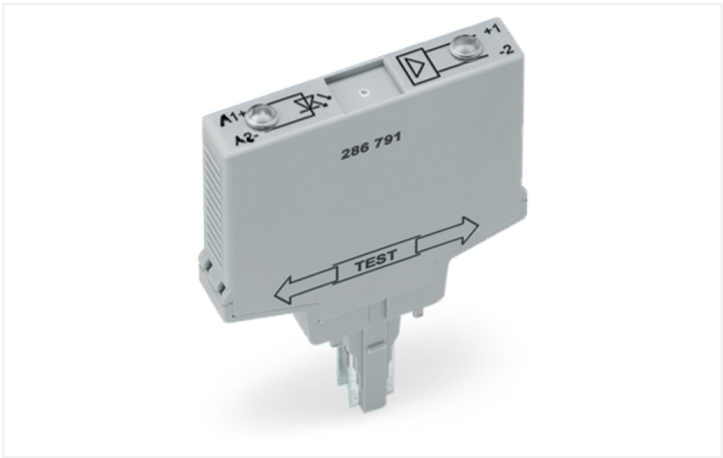


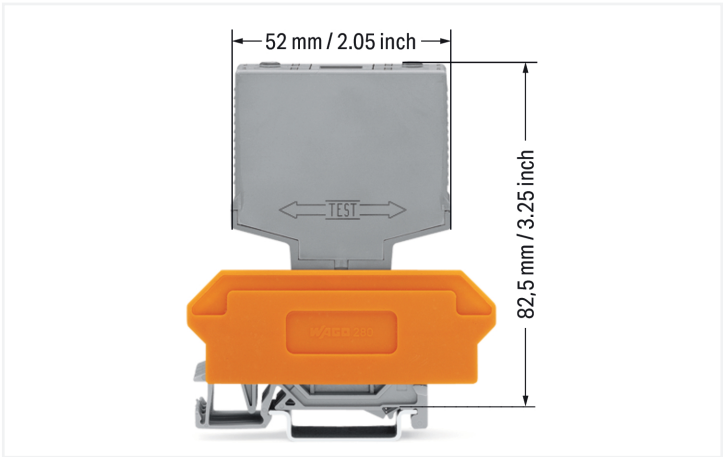
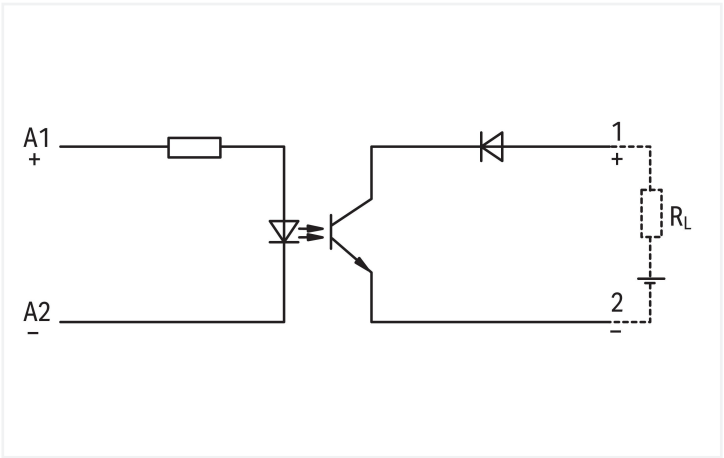
Data Sheet | Item Number: 286-791

Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 20 ... 60 VDC; Limiting continuous current: 0.1 A; 2-wire connection; Frequency: 3 kHz; Red status indicator; Module width: 10 mm; gray

<https://www.wago.com/286-791>



Color: ■ gray



Notes	
Note	Optocouplers and solid state relays are designed for use in signal processing networks that are not supplied directly by the low-voltage power supply network.

Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	24 VDC	Circuit type	2-wire connection
Input voltage range (high level)	15 ... 30 VDC	Limiting continuous current	0.1 A
Nominal input current at U_N	14 mA	Output voltage range	20 ... 60 VDC
		Voltage drop	≤ 2 VDC
		Leakage current at rated voltage	$\leq 2 \mu A$
		Turn-on time	$\leq 10 \mu s$
		Turn-off time	$\leq 50 \mu s$
		Switching frequency	≤ 3 kHz



Safety and protection	
Rated Voltage	300 V
Overvoltage category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 kVrms
Insulation type (control/load circuit)	Basic insulation
Protection type	IP20

Physical data	
Width	10 mm / 0.394 inches
Height	52 mm / 2.047 inches
Depth from upper-edge of DIN-rail	82.5 mm / 3.25 inches
Note (dimensions)	Depth including carrier terminal block

Mechanical data	
Mounting type	Pluggable module for receptacle terminal blocks

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Fire load	0.508 MJ
Weight	15.3 g

Environmental requirements	
Ambient temperature (operation at U _N)	-25 ... +40 °C
Ambient temperature (storage)	-25 ... +40 °C
Processing temperature	-25 ... +50 °C
Relative humidity	5 ... 95 % (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and specifications	
Standards/specifications	EN 61010-2-201 EN 61000-6-1 EN 61000-6-2 EN 61000-6-3

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	25 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454397470
Customs tariff number	85365005000

Product classification	
UNSPSC	39121521

Environmental Product Compliance	
CAS-No.	1303-86-2 1317-36-8
REACH Candidate List Substance	Diboron trioxide Lead monoxide
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(c)-I
SCIP notification number (Austria)	03324433-faeb-4ce2-afc3-bff2c6f116c3
SCIP notification number (Belgium)	5d6b7292-e4e6-4d27-858b-0287e49dbe07
SCIP notification number (Bulgaria)	8bd93a1a-3349-4a7b-b65f-c2bfdc24af86
SCIP notification number (Czech Republic)	0c450226-b0a4-4a54-ae8-4b0458122d4c
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SCIP notification number (Poland)	40a94ff3-356d-4084-ae59-fb85ca7ebf86
SCIP notification number (Romania)	9a2b58d4-4095-4903-8391-1d7a024d5f95
SCIP notification number (Sweden)	179414c1-1552-47a0-b768-5de9eb74dcff

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
		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 286-791	



Documentation				
Bid Text				Instruction Leaflet
286-791	19.02.2019	xml 3.67 KB	↓	Operation and Assembly Instructions Interface V 1.0.0 02.04.2025 pdf 1246.19 KB ↓
286-791	20.02.2019	docx 15.36 KB	↓	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 286-791 ↓	WSCAD Universe 286-791 ↓
	ZUKEN Portal 286-791 ↓

1 Compatible Products
1.1 Optional Accessories
1.1.1 Marking
1.1.1.1 Marker



Item No.: 209-701
WSB marking card; as card; not stretchable; plain; snap-on type; white

1.1.2 Terminal blocks
1.1.2.1 Terminal block for pluggable modules



Item No.: 280-618
Terminal block for pluggable modules; 4-pole; with 2-conductor terminal blocks; with orange separator; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray

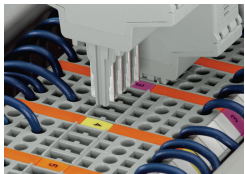


Item No.: 280-762
Terminal block for pluggable modules; 4-pole; with 4-conductor terminal blocks; with marker carrier; with orange separator; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray

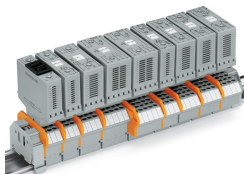


Item No.: 280-608
Terminal block for pluggable modules; 4-pole; with 4-conductor terminal blocks; with orange separator; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray

Installation Notes
Installation



Coding ensures correct polarity.



Pluggable electronic modules on 2- or 4-conductor carrier terminal blocks

Marking



Marking via WMB Multi Marking System.

Testing



Function testing via touch-proof test slots