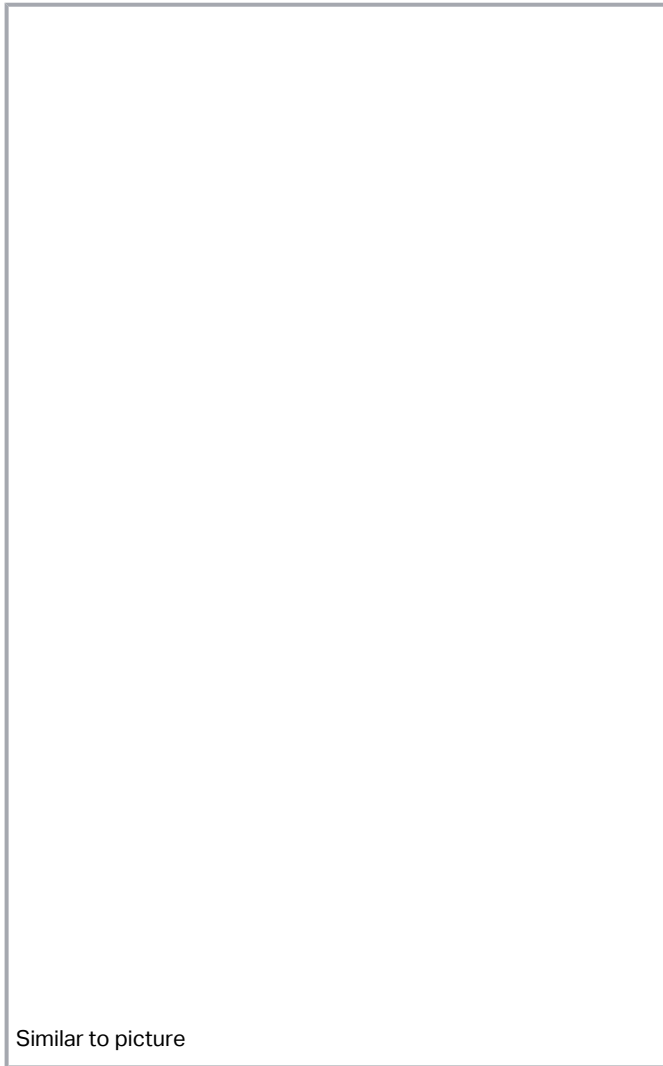


**Data sheet | Item number: 2042-3809**

Relay module; Nominal input voltage: 24 ... 230 V AC/DC; 1 make contact;  
Limiting continuous current: 3 A; Green status indicator; Module width: 10  
mm



[www.wago.com/2042-3809](http://www.wago.com/2042-3809)



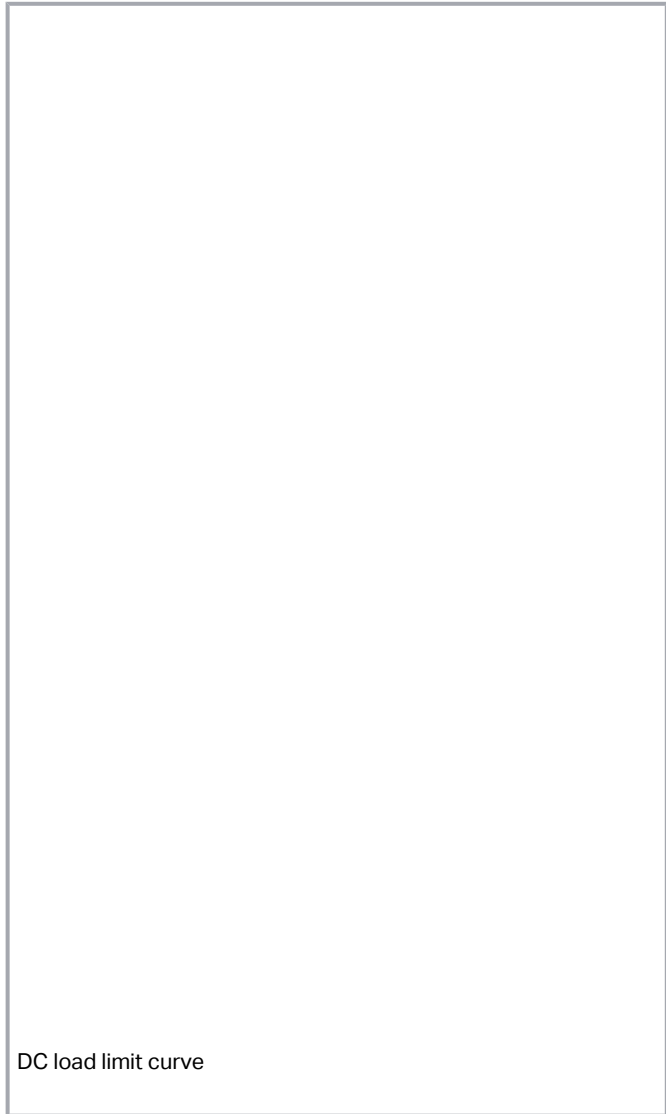
Similar to picture

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DC load limit curve

## Data

### Technical data

### Control Circuit

Nominal input voltage $U_N$	AC/DC 24 ... 230 V
Input voltage range	$\pm 10\%$
Nominal input current at $U_N$	2 mA (230 V); 26.3 mA (24 V)

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## Load circuit

Number of make/switch-on contacts	1
Contact material (relay)	AgSnO <sub>2</sub>
Limiting continuous current	3 A
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 750 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	10 V / 10 mA; 24 V / 1 mA
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	4 ms
Electrical life (NO; resistive load; 23 °C)	50 x 10 <sup>3</sup> switching operations
Mechanical life	5 x 10 <sup>6</sup> switching operations

## Signaling

Status indicator	Green LED
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## Safety and protection

Rated voltage	250 V
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	3 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Protection type	IP20

## Physical data

Width	10.3 mm / 0.406 inches
Height	77.7 mm / 3.059 inches
Height from the surface	59.3 mm / 2.335 inches
Depth	52 mm / 2.047 inches

## Mechanical data

Mounting type	Pluggable module for TOPJOB® S carrier terminal block
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## Material Data

Flammability class per UL94	V0
Fire load	0.133 MJ

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Weight	31.6 g
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### Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-40 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Processing temperature	-25 ... +50 °C
Operating altitude (max.)	2000 m

### Standards and specifications

Standards/specifications	EN 61010-2-201 EN 61373 EN 50121-3-2
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### Commercial data

eCl@ss 10.0	27-14-11-49
eCl@ss 9.0	27-14-11-49
ETIM 8.0	EC002018
ETIM 7.0	EC002018
Recupel Type	
PU (SPU)	6 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143709538
Customs tariff number	85364900990

### Environmental Product Compliance

CAS-No.	7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	0694f120-feed-4ded-bbde-7f27a625ae68
SCIP notification number (Belgium)	b25e496a-8056-4411-b075-ce516850bb8e
SCIP notification number (Bulgaria)	9c72c8ab-cafd-4e76-b1ec-7b7c7d720dcc

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SCIP notification number (Czech Republic)	1f13344e-9619-46e9-b522-d8e841bc7e6f
SCIP notification number (Denmark)	0ae12061-5423-48bc-ac34-d5c0599e1dfe
SCIP notification number (Finland)	e274da6d-c517-47e0-9a12-58b0344b3332
SCIP notification number (France)	a86fd98c-cbf4-43bf-8ea7-10b8026eb206
SCIP notification number (Germany)	7d0fba40-71cd-4e8f-87d9-5db43a1865d3
SCIP notification number (Hungary)	a81b73d0-0727-4c8d-af41-4f5d747182bf
SCIP notification number (Italy)	c49ef430-06f8-4867-bbcf-fd394d718ee4
SCIP notification number (Netherlands)	5173f441-20b6-40b0-9d9d-f4b862829d3f
SCIP notification number (Poland)	f2953b79-8f19-4ae0-84f2-6074f75fe9de
SCIP notification number (Romania)	b23aa75f-0ca2-4d9b-a0a1-5f92166db455
SCIP notification number (Sweden)	c2e9e5f0-eed1-4897-a752-83593fa29819

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>EAC</b> Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC_Certificate_RU_C-DE.AM02.B.00115_19
	<b>EAC</b> Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122/19
	<b>UL</b> Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-1	E175199

### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

## Optional accessories

### Terminal blocks

Carrier terminal block for modules and plugs	
<b>Item no.: 2002-1961</b>	2-conductor carrier terminal block; with additional jumper position; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm <sup>2</sup> ; Push-in CAGE CLAMP®; 2,50 mm <sup>2</sup> ; gray <a href="http://www.wago.com/2002-1961">www.wago.com/2002-1961</a>
<b>Item no.: 2002-1761</b>	3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm <sup>2</sup> ; Push-in CAGE CLAMP®; 2,50 mm <sup>2</sup> ; gray <a href="http://www.wago.com/2002-1761">www.wago.com/2002-1761</a>
<b>Item no.: 2002-1861</b>	4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm <sup>2</sup> ; Push-in CAGE CLAMP®; 2,50 mm <sup>2</sup> ; gray <a href="http://www.wago.com/2002-1861">www.wago.com/2002-1861</a>

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




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**Marking accessories**


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## Marking strip

**Item no.: 2009-110**

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

[www.wago.com/2009-110](http://www.wago.com/2009-110)

## Marker

**Item no.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115](http://www.wago.com/2009-115)**Item no.: 793-501**

WMB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/793-501](http://www.wago.com/793-501)**Item no.: 793-5501**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/793-5501](http://www.wago.com/793-5501)


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**End plate**


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## End plate

**Item no.: 2002-1892**

End and intermediate plate; 1 mm thick; orange

[www.wago.com/2002-1892](http://www.wago.com/2002-1892)**Item no.: 2002-1891**

End and intermediate plate; 1 mm thick; gray

[www.wago.com/2002-1891](http://www.wago.com/2002-1891)**Item no.: 2002-1991**

End and intermediate plate; 1 mm thick; gray

[www.wago.com/2002-1991](http://www.wago.com/2002-1991)**Item no.: 2002-1992**

End and intermediate plate; 1 mm thick; orange

[www.wago.com/2002-1992](http://www.wago.com/2002-1992)**Item no.: 2002-1691**

End and intermediate plate; 1 mm thick; gray

[www.wago.com/2002-1691](http://www.wago.com/2002-1691)**Item no.: 2002-1692**

End and intermediate plate; 1 mm thick; orange

[www.wago.com/2002-1692](http://www.wago.com/2002-1692)**Item no.: 2002-1791**

End and intermediate plate; 1 mm thick; gray

[www.wago.com/2002-1791](http://www.wago.com/2002-1791)**Item no.: 2002-1792**

End and intermediate plate; 1 mm thick; orange

[www.wago.com/2002-1792](http://www.wago.com/2002-1792)


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#### Instruction Leaflet

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Pluggable Relay Module / Pluggable Solid-State Relay Module	V 1.1.0	pdf 2.0 MB	Download
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#### Additional Information

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

##### CAD data

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##### CAE data

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ZUKEN Portal 2042-3809		URL	Download
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#### Environmental Product Compliance

##### Compliance Search

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Environmental Product Compliance 2042-3809 Relay module; Nominal input voltage: 24 ... 230 V AC/DC; 1 make contact; Limiting continuous current: 3 A; Green status indicator; Module width: 10 mm		URL	Download
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#### Installation Notes

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