

Data sheet | Item number: 2042-7204

Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 60 VDC; Limiting continuous current: 0.1 A; 2-wire connection; Railway; Frequency: 10 kHz; Green status indicator; Module width: 10 mm

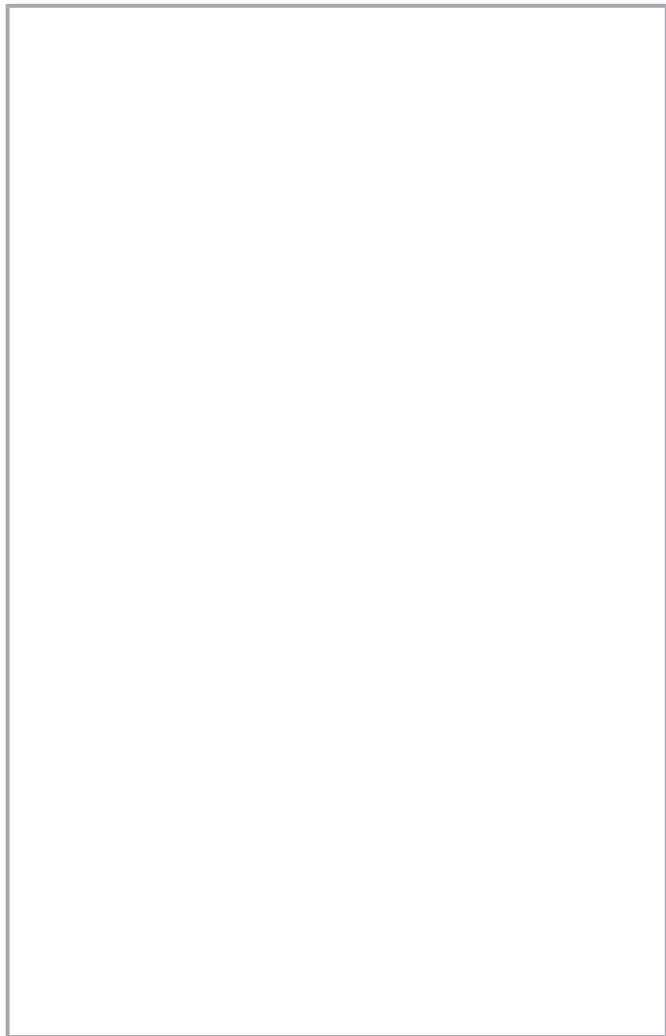
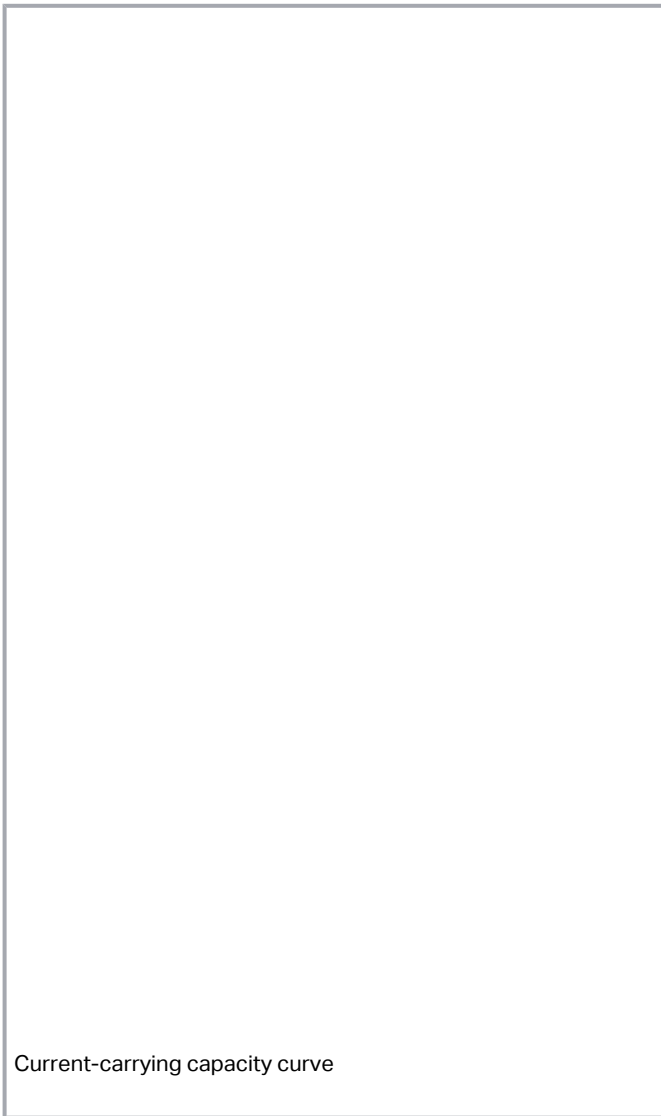
www.wago.com/2042-7204



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

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Do you have any questions about our products?
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Data

Notes

Note

Optocouplers and solid state relays are designed for use in signal processing networks, which are not supplied by the low-voltage power supply networks.

Technical data

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Control Circuit

Nominal input voltage U_N	DC 24 V (SELV)
Input voltage range (low level)	DC 0 ... 10 V
Input voltage range (high level)	DC 16.8 ... 30 V
Nominal input current at U_N	7 mA
Input current range	6 ... 8 mA

Load circuit

Circuit type	2-wire connection
Limiting continuous current	0.1 A
Nominal output voltage	DC 24 V (SELV)
Output voltage range	DC 3 ... 60 V
Voltage drop at output (max.)	\leq DC 1 V
Voltage drop	\leq 1 VDC
Switching current (min.)	20 μ A
Turn-on time	\leq 8 μ s
Turn-off time	\leq 14 μ s
Switching frequency	\leq 10 kHz

Signaling

Status indicator	Green LED
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Safety and protection

Overvoltage category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 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

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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
Weight	13.4 g

Environmental requirements

Ambient temperature (operation at U _N)	-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 EN 50121-4 EN 61000-6-2 EN 61000-6-3
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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
PU (SPU)	1 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4055143751353
Customs tariff number	85365005000

Environmental Product Compliance

CAS-No.	7439-92-1 79-94-7
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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)	47df07bb-8f45-4734-8cfd-ee1d891b82d2
SCIP notification number (Belgium)	80c4a6fa-1b17-48e0-89bb-a9376a506121
SCIP notification number (Bulgaria)	23d89563-82be-4983-b8c5-fe81c3f79217
SCIP notification number (Czech Republic)	0de40768-066e-47a7-a91e-8a9f7cfb3093
SCIP notification number (Denmark)	0be9d5e3-ac10-445f-848b-739921968c01
SCIP notification number (Finland)	42166328-6e6f-4d24-b7d5-e704f63b3bc6
SCIP notification number (France)	0c7dc114-a5cf-4422-9924-37275cecd47c
SCIP notification number (Germany)	d33a3b2c-9eb3-494d-86a1-86ba27581699
SCIP notification number (Hungary)	26d1001c-40f0-45fe-90fe-d7d1715423a7
SCIP notification number (Italy)	98eb5954-43dc-4fef-bf11-e37579c0ace3
SCIP notification number (Netherlands)	fc8c17d1-2c59-40d7-bd6e-baf99326d834
SCIP notification number (Poland)	939dbb23-35e5-468d-ace8-68ba68651973
SCIP notification number (Romania)	51a7300f-54c3-4fec-a8c2-934bb7851031
SCIP notification number (Sweden)	13811e41-fa2d-47fd-8309-bc6c442dd488

Approvals / Certificates

General approvals

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

Declarations of conformity and manufacturer's declarations

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

Optional accessories

Marking accessories

Marking strip

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Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	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
Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	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
Terminal blocks	
Carrier terminal block for modules and plugs	
Item no.: 2002-1961 2-conductor carrier terminal block; with additional jumper position; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm ² ; Push-in CAGE CLAMP®; 2,50 mm ² ; gray	www.wago.com/2002-1961
Item no.: 2002-1761 3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm ² ; Push-in CAGE CLAMP®; 2,50 mm ² ; gray	www.wago.com/2002-1761
Item no.: 2002-1861 4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm ² ; Push-in CAGE CLAMP®; 2,50 mm ² ; gray	www.wago.com/2002-1861
End plate	
End plate	
Item no.: 2002-1892 End and intermediate plate; 1 mm thick; orange	www.wago.com/2002-1892
Item no.: 2002-1891 End and intermediate plate; 1 mm thick; gray	www.wago.com/2002-1891
Item no.: 2002-1991 End and intermediate plate; 1 mm thick; gray	www.wago.com/2002-1991
Item no.: 2002-1992 End and intermediate plate; 1 mm thick; orange	www.wago.com/2002-1992
Item no.: 2002-1691 End and intermediate plate; 1 mm thick; gray	www.wago.com/2002-1691
Item no.: 2002-1692 End and intermediate plate; 1 mm thick; orange	www.wago.com/2002-1692
Item no.: 2002-1791 End and intermediate plate; 1 mm thick; gray	www.wago.com/2002-1791
Item no.: 2002-1792 End and intermediate plate; 1 mm thick; orange	www.wago.com/2002-1792

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Downloads

Documentation

Bid Text

2042-7204 docx - Datei	2019 年2月20 日	docx 16.9 kB	Download
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2042-7204 X81 - Datei	2019 年2月19 日	xml 4.3 kB	Download
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Instruction Leaflet

Pluggable Relay Module / Pluggable Solid-State Relay Module	V 1.1.0	pdf 2.0 MB	Download
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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
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CAD/CAE-Data

CAD data

2D/3D Models 2042-7204		URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2042-7204 Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 60 VDC; Limiting continuous current: 0.1 A; 2-wire connection; Railway; Frequency: 10 kHz; Green status indicator; Module width: 10 mm		URL	Download
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Installation Notes

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