

RoHS  Compliant [BOMcheck.net](https://www.bomcheck.net)

**Data**

**Electrical Data**

In-/Outputs	8-channel digital input
Circuit type	Input high-side switching
Nominal operating voltage	DC 24 V
Operating voltage range	±30 %
Total current	3 A
Limiting continuous current	1 A
Contact resistance	≤ 20 mΩ

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

WAGO Kontakttechnik 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.



Status indication	LED green
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### Safety and protection:

Test voltage	AC 500 V; 50 Hz; 1 min
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### Connection data

Connection type (1)	System
No. of poles	14
Pluggable connector	Pluggable connector per DIN 41651; male connector
Connection type (2)	Field
No. of poles 2	16
Design 2	Pluggable connector for jumper slot
Connection type (3)	Supply
No. of poles 3	2
Connection technology 3	CAGE CLAMP®
Solid conductor (3)	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor (3)	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length (3)	5 ... 6 mm / 0.2 ... 0.24 inch
Performance level	3

### Mechanical data

Type of mounting	Pluggable module
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### Material Data

Fire load	0.619 MJ
Weight	44.3 g

### Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °C

### Commercial data




Product Group	6 (Interface Electronics)
Packaging type	BOX
Country of origin	DE

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GTIN	4045454995171
Customs Tariff No.	85369010000

## Approvals / Certificates

### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>BV</b> Bureau Veritas S.A.	-	40179_A0
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAA00001D1
	<b>PRS</b> Polski Rejestr Statków	-	TE/2186 /880590/18


### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Vol.2 Sec. 1


## Counterpart

## Compatible products

### tools

	<b>Item no.: 210-720</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>
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### wiring and connectors

	<b>Item no.: 706-100/1303-200</b> Connection cable; 14-pole; Pluggable connector per DIN 41651; open-ended; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup> ; UR components, 857 Series	<a href="http://www.wago.com/706-100/1303-200">www.wago.com/706-100/1303-200</a>
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	<b>Item no.: 706-753/300-100</b> Connection cable; 14-pole; Pluggable connector per DIN 41651; 14-pole; Pluggable connector per DIN 41651; Length: 1 m (1 MOhm); Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-753/300-100">www.wago.com/706-753/300-100</a>
	<b>Item no.: 706-753/300-200</b> Connection cable; 14-pole; Pluggable connector per DIN 41651; 14-pole; Pluggable connector per DIN 41651; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-753/300-200">www.wago.com/706-753/300-200</a>
	<b>Item no.: 706-753/300-300</b> Connection cable; 14-pole; Pluggable connector per DIN 41651; 14-pole; Pluggable connector per DIN 41651; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-753/300-300">www.wago.com/706-753/300-300</a>
	<b>Item no.: 706-7753/304-100</b> System cable; for WAGO-I/O-SYSTEM, 750 Series; 2 x 8 analog inputs or outputs; Length: 1 m (1 MOhm); Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-7753/304-100">www.wago.com/706-7753/304-100</a>
	<b>Item no.: 706-7753/304-200</b> System cable; for WAGO-I/O-SYSTEM, 750 Series; 2 x 8 analog inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-7753/304-200">www.wago.com/706-7753/304-200</a>
	<b>Item no.: 706-7753/304-300</b> System cable; for WAGO-I/O-SYSTEM, 750 Series; 2 x 8 analog inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-7753/304-300">www.wago.com/706-7753/304-300</a>

## Downloads

### Documentation

#### Bid Text

857-981 GAEB X81 - Datei	Feb 19, 2019	xml 3.5 kB	Download
857-981 doc - Datei	Nov 20, 2015	doc 24.6 kB	Download

#### Instruction Leaflet

		pdf 1.3 MB	Download
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#### Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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## CAD/CAE-Data

### CAE data

FPI AN Data Portal 857-981

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ET LAN Data | Item 857-981

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WSCAD Universe 857-981

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## Installation Notes

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