



Notes	
Note	The specified technical data are maximum values. They may be limited by the accessories used.

Electrical data	
Inputs/outputs	8-channel digital input
Circuit type	High-side switching input
Nominal operating voltage	24 VDC
Operating voltage range	±30 %
Total current	3 A
Limiting continuous current	1 A
Contact resistance	≤ 20 mΩ
Status indicator	Green LED

Safety and protection	
Dielectric strength (contact/contact) (AC, 1 min)	0.5 kVrms
Protection type	IP20

Connection data	
Performance level	3
<b>Connection 1</b>	
Pluggable connector	Pluggable connector per DIN 41651; male connector
Pole number 1	14
Connection type	System

Connection 2	
Design	Plug for jumper slot
Pole number	16
Connection type	Field

Connection 3	
Pole number	2
Connection type	Power supply
Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

### Mechanical data

Mounting type	Pluggable module
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### Material data

Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.649 MJ
Weight	44.3 g

### Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	5 ... 95 % (no condensation permissible)

### Standards and specifications

Standards/specifications	DNV
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### Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454995171
Customs tariff number	85369010000

### Product Classification

UNSPSC	39121421
eCl@ss 10.0	19-17-90-01
eCl@ss 9.0	19-17-90-01
ETIM 9.0	EC002780
ETIM 8.0	EC002780
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

#### General approvals



Approval	Standard	Certificate Name
cURus Underwriters Laboratories Inc.	UL 508	E175199 Vol.2 Sec.1

#### Approvals for marine applications



Approval	Standard	Certificate Name
BV Bureau Veritas S.A.	Rules for class. of Steel Ships	40179_B0
DNV DNV Germany GmbH	DNV-CG-0339, Aug. 2021	TAA00001D1

**Downloads**

**Environmental Product Compliance**

<b>Compliance Search</b>			
Environmental Product Compliance 857-981			<a href="#">↓</a>

**Documentation**

<b>Bid Text</b>			
857-981	19.02.2019	xml 3.40 KB	<a href="#">↓</a>
857-981	20.11.2015	doc 24.00 KB	<a href="#">↓</a>

<b>Instruction Leaflet</b>			
Operation and Assembly Instructions Interface	V 1.0.0 02.04.2025	pdf 1246.19 KB	<a href="#">↓</a>

**CAD/CAE-Data**

<b>CAD data</b>	
2D/3D Models 857-981	<a href="#">↓</a>

<b>CAE data</b>	
EPLAN Data Portal 857-981	<a href="#">↓</a>
WSCAD Universe 857-981	<a href="#">↓</a>
ZUKEN Portal 857-981	<a href="#">↓</a>

**1 Compatible Products**

**1.1 Optional Accessories**

**1.1.1 Cables and connectors**

**1.1.1.1 Connecting cable**



**Item No.: 706-753/300-100**  
 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>



**Item No.: 706-753/300-200**  
 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>



**Item No.: 706-753/300-300**  
 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>



**Item No.: 706-100/1303-200**  
 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

**1.1.1.2 System cable**



**Item No.: 706-7753/304-100**  
 System cable; for WAGO-I/O-SYSTEM, 750 Series; 2 x 8 analog inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm<sup>2</sup>



**Item No.: 706-7753/304-200**  
 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>



**Item No.: 706-7753/304-300**  
 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>

## 1.1.2 Tool

### 1.1.2.1 Operating tool



**Item No.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured