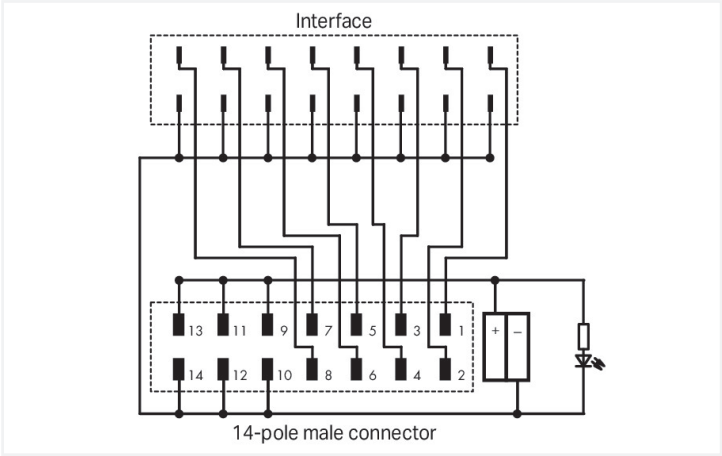
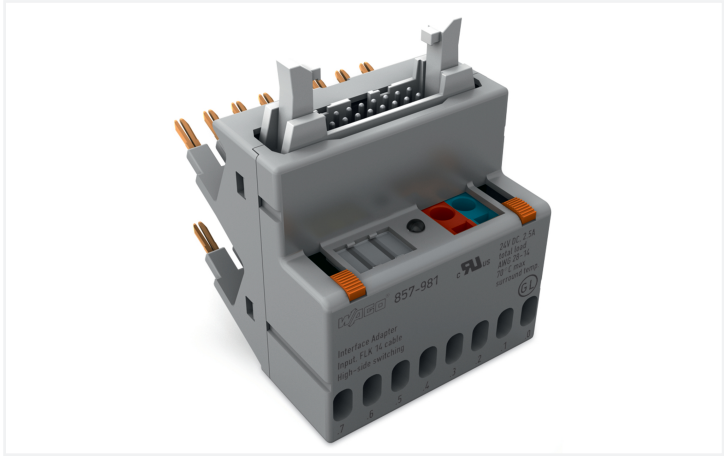




Notes		
Note		The specified technical data are maximum values. They may be limited by the accessories used.

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	
Connection 1		
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 ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

Mechanical data	
Mounting type	Pluggable module

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.609 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

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 10.0	EC002780
ECCN	NO US CLASSIFICATION



Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
cURus Underwriters Laboratories Inc.	UL 508	E175199 Vol.2 Sec.1	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

 					
Approval	Standard	Certificate Name			
BV Bureau Veritas S.A.	Rules for class. of Steel Ships	40179_C0			
DNV DNV Germany GmbH	DNV-CG-0339, Aug. 2021	TAA00001D1			

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 857-981	

Documentation

Bid Text				Instruction Leaflet			
857-981	19.02.2019	xml 3.40 KB		Operation and Assembly Instructions Interface	V 1.0.0 02.04.2025	pdf 1246.19 KB	
857-981	20.11.2015	doc 24.00 KB					

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 857-981		EPLAN Data Portal 857-981	
		WSCAD Universe 857-981	
		ZUKEN Portal 857-981	



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 mm²



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 mm²



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 mm²



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 mm²; 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 mm²



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 mm²



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 mm²

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