

Communications - AC 900F Communication interfaces

Freelance hardware selector

The AC 900F controller family includes a selection of communications modules that make it possible to access a wide range of field devices and third-party systems. It has slots for assembling Communication Interface Module. The interfaces include:

- Ethernet-based interfaces/protocols
- Serial communications
- Interfaces to ABB equipment
- Communication interfaces to heritage systems



Specific feature ¹	CI 773F	CI 910F	CI 930F	CI 940F
General info				
Article number	3BDH000395R0001	3BDH001005R0001	3BDH001010R0002	3BDH001015R0001
Communication protocol	Communication Interface, PROFIBUS DP Master	Three CAN Bus channels. ABB CAN Bus protocol. D-Sub terminals (9-pole). Software version 2016 or higher is mandatory. White housing. Requires one coupler bus slot on the CPU module.	Communication Interface, PROFIBUS DP Master	PROFINET / FF-HSE Communication Module
Life cycle status	Active			
Transmission speed	9.6 kBit/s to 12 MBit/s	max. 1 MBit/s	9.6 kBit/s to 12 MBit/s	10/100 Mbit/s (full and half duplex), Auto-Negotiation and Auto MDI-X
Line redundancy	No		Yes	
Hot Swap	Yes			
Dimensions				
Width	28 mm			
Height	135 mm	152 mm		
Depth	75 mm		85 mm	75 mm
Weight	96 g	178 g	115 g	145 g
Environment and certification				
RoHS compliance	Directive 2011/65/EU, (EU) 2015/863			
WEEE compliance	Directive 2012/19/EU			

¹ For detailed information on each module, please visit: freelancehardwareselector.automation.abb.com

**solutions.abb/freelance
solutions.abb/controlsystems**

We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2025 ABB All rights reserved