

CI873A

System 800xA hardware selector



The CI873A is an AC 800M communication interface that connects to external Ethernet devices using the EtherNet/IP protocol. The TP867 Baseplate has two RJ45 Ethernet connectors, but only the CH1 connector that supports 100Mbps is used. The CI873 expansion unit contains the CEX-Bus logic, a communication unit, and a DC/DC converter that supplies the required voltage from +24 V supply through the CEX-Bus. The new S200CI873IoHwlib adds support for the S200 I/O adaptor 200-AENTR to be used with CI873A.

This new adaptor gives a simple and cost effective upgrade path for directly connected S200 I/O on SattCon 200, SattLine 200, Advant Controller 210, Advant Controller 250 and AC 800C. The 200-AENTR has two Ethernet ports with an in-built switch, which means that the adaptors can be daisy-chained to the CI873 using cross-wired Ethernet-cables without the need for external switches.

The CI873A module will only work with System 800xA 6.0.3.3, 6.1.1 and subsequent versions

Features and benefits

- Supports connection for S200 I/O via 200-AENTR adaptor
- Supports Ethernet/IP and Device Net protocols

General info	
Article number	3BSE092695R1
Protocol	EtherNet IP / DeviceNet
Master or slave	Master
Transmission speed	10/100 Mbit/s
Line redundancy	No
Module redundancy	Yes
Hot Swap	Yes
Used together with HI Controller	Yes

Detailed data	
Max units on CEX bus	12
Connector	RJ-45 female (8-pin)
24 V consumption typ.	typ 160 mA

Environment and certification

Temperature, Operating	55 °C
Protection class	IP20 according to EN60529, IEC 529
CE- marking	Yes
Electrical Safety	UL 61010-1, UL 61010-2-201
Hazardous location	UL 60079-15, cULus Class 1, Zone 2, AEx nA IIC T4, ExnA IIC T4Gc X
Marine certificates	DNV-GL, (Pending: ABS, BV, LR)
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions

Height	185 mm (7.3 in.)
Width	59 mm (2.3 in.)
Depth	127.5 mm (5.0 in.)
Weight (including base)	700 g (1.5 lbs)

solutions.abb/800xA
solutions.abb/controlsystems

800xA is a registered or pending trademark of ABB. All rights to other trademarks reside with their respective owners.

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© 2022 ABB All rights reserved