DATA SHEET

CI869

ABB Ability™ System 800xA® hardware selector

The CI869 is an AC 800M communication interface that connects to the AF 100 field bus through the twisted pair (TWP). The CI869 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 CI869 can be configured for both redundant cables and redundant communication interfaces.

The CI869 communication interface attached to the AC 800M controller provides connectivity to other AC 800M, AC 160 or a connectivity server over AF 100. An AC 800M controller with the communication interface CI869 behaves as an AF 100 station, receiving data from other AF 100 stations/devices. The CI869 has integrated twisted pair modems. CI869 can also be used in an AC 800M High Integrity system.

Features and benefits

- The AC 100 OPC Server runs in the Connectivity Server and requires the AF 100 hardware interface CI527A installed in the same node as the AC 100 OPC Server. In the other end you use the CI869 to connect to the AC 800M controller network.
- Advant Fieldbus 100 redundancy is supported by using two CI869s.

General info	
Article number	3BSE049110R1
Communication protocol	ABB's Advant Fieldbus 100
Master or slave	Slave
Transmission speed	1.5 Mbit/s
Line redundancy	Yes
Module redundancy	Yes
Hot Swap	Yes
Used together with HI Controller	Yes

Detailed data	
Max units on CEX bus	12
Connector	Twisted Pair (TWP)
24 V consumption typ.	typ 160 mA

Environment and certification	
Temperature, Operating	+5 to +55 °C (+41 to +131 °F)
Temperature, Storage	-40 to +70 °C (-40 to +158 °F)
Corrosion protection	G3 compliant to ISA 71.04
Protection class	IP20 according to EN60529, IEC 529
CE-marking	Yes
RoHS compliance	-
WEEE compliance	DIRECTIVE/2012/19/EU

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

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