

DATA SHEET

## **CI858**

## Compact Product Suite hardware selector



The DriveBus protocol is used to communicate with ABB Drives and ABB Special I/O units. DriveBus is connected to the controller via a CI858 communication interface unit. The DriveBus interface is used for communication between ABB Drives and AC 800M controller.

The DriveBus communication is especially designed for sectional drive applications for ABB rolling mill drive systems, and ABB paper machine control systems. The Cl858 is powered by the processor unit, via the CEX-Bus, and therefore does not require any additional external power source.

## Features and benefits

- DriveBus supports Hot Swap
- A maximum of 24 ABB drives can be connected to one CI858 and a maximum of two CI858 can be connected to an AC 800M controller. If more than one ABB drive is connected to the CI858, a branching unit NDBU is needed, which enables the construction of a logical bus with physical star topology. The branching units can be chained.

General info		
Article number	3BSE018135R1	
Communication protocol	ABB's DriveBus	
Master or slave	Master	
Transmission speed	8 Mbit/s	
Line redundancy	No	
Module redundancy	No	
Hot Swap	Yes	
Used together with HI Controller	No	

Detailed data		
Max units on CEX bus	2	
Connector	Optical	
24 V consumption typ.	typ 200 mA	

Environment and certification		
Temperature, Operating	0 to +55 °C (+32 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	
Marine certificates	ABS, BV, DNV-GL, LR	
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)	
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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