AC 800M

Product Data Sheet

CI855K01 3BSE018106R1

MasterBus 300 interface kit

PROTOCOL	ETHERNET SPEED	DATASET THROUGHPUT	ETHERNET CONNECTORS
MasterBus 300	**10 Mbit/s, half duplex**	**200 DataSets/s**	**2 x 8-pin RJ45 on TP853**

ABB CI855K01 3BSE018106R1 is a MasterBus 300 interface kit for the AC 800M controller. It combines the CI855 interface with the TP853 baseplate, connecting AC 800M process control to existing MB300 controller networks through the CEX bus.

01 TECHNICAL DATA

Protocol	MasterBus 300
Ethernet speed	10 Mbit/s, half duplex
DataSet throughput	200 DataSets/s
Ethernet connectors	2 x 8-pin RJ45 on TP853
CEX bus capacity	12 interface units maximum
Supply voltage	24 V DC from CEX bus
Typical supply current	150 mA
Typical power dissipation	3.6 W
Line redundancy	Supported
Module redundancy	Not supported

02 ADDITIONAL PRODUCT DATA

Hot swap	Supported
Operating temperature	0 to +55 °C
Storage temperature	-40 to +70 °C
Ingress protection	IP20
Corrosion resistance	ISA 71.04 Class G3

03 PRODUCT FUNCTION

The TP853 provides two RJ45 Ethernet connections for redundant network lines. Communication runs at 10 Mbit/s in half-duplex mode with a throughput of 200 DataSets per second; typical consumption is 150 mA from the 24 V CEX supply. DIN-rail mounting, status indicators and supported hot swapping suit modular controller installations.

04 SYSTEM COMPATIBILITY

Connect the two TP853 RJ45 ports according to the approved redundant-network arrangement. Network-line redundancy is supported, but CI855 module redundancy is not; these are different availability features and must be treated separately in the design.

05 DOCUMENT BASIS

ABB manufacturer documentation. Selected source pages: 136.

AMIKON PRODUCT SUPPORT

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