

# Communications - AC 800M

## Compact Product Suite hardware selector



AC 800M is a family of rail-mounted modules, consisting of CPUs, communication modules, power supply modules and various accessories. There are several CPU modules to choose from, ranging from single units with medium processing power and memory to fully redundant units with high processing power.

The AC 800M family does also include IEC 61508-SIL3 certified controllers PM857, PM863, PM865 and PM867, which supports controller configurations for:

- Safety application
- Combined Process Automation and Safety application

For updated information regarding System 800xA hardware please visit our 800xA Hardware Selector. In the selector you can compare different communication modules, AC 800M controllers, S800 IO modules, module termination units, 800xA networks equipment, power supplies and voters, panels and also print your own PDF files.

[www.800xahardwareselector.com](http://www.800xahardwareselector.com)



Specific feature <sup>1</sup>	CI853	CI854A Classic	CI854B	CI855
<b>General info</b>				
Protocol	COMLI and MODBUS RTU	PROFIBUS DP-V1		ABB's MasterBus 300
Article number	3BSE018103R1 (CI853K01)	3BSE030220R1 (CI854AK01)	3BSE069449R1 (CI854BK01)	3BSE018106R1
Master or slave	Master / Slave	Master		
Number of channels	2			
Transmission speed	75 - 19 200 b/s	9.6 - 12 000 kbit/s		10 Mbit/s, 200 Datasets/s
Line redundancy	Yes			No
Module redundancy	Yes			No
Hot Swap	Yes			
Used together with HI Controller	Yes			
Life cycle status		Classic		
<b>Dimensions</b>				
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)			
<b>Environment and certification</b>				
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)	-	DIRECTIVE/2011/65/EU (EN 50581:2012)	
WEEE compliance	DIRECTIVE/2012/19/EU			

<sup>1</sup> For detailed information on each module, please visit: [compacthardwareselector.com](http://compacthardwareselector.com)



Specific feature <sup>1</sup>	CI856	CI857	CI858	CI865
<b>General info</b>				
Protocol	ABB's S100 I/O	ABB's INSUM	ABB's DriveBus	ABB's Satt I/O
Article number	3BSE026055R1	3BSE018144R1	3BSE018135R1	3BSE040795R1
Master or slave	Master			
Transmission speed	-	10 Mbit/s	8 Mbit/s	-
Line redundancy	No			
Module redundancy	No			
Hot Swap	Yes			
Used together with HI Controller	Yes		No	
<b>Dimensions</b>				
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)			
<b>Environment and certification</b>				
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)			
WEEE compliance	DIRECTIVE/2012/19/EU			

<sup>1</sup> For detailed information on each module, please visit: [compacthardwareselector.com](http://compacthardwareselector.com)



Specific feature <sup>1</sup>	CI867	CI867A	CI868	CI868A
<b>General info</b>				
Protocol	MODBUS TCP		IEC 61850	
Article number	3BSE043660R1	3BSE092689R1	3BSE048845R1	3BSE092691R1
Master or slave	Master / Slave			
Number of channels	2 channels	1 channel		
Transmission speed	10/100 Mbit/s (Ch1), 10 Mbit/s (Ch2)	10/100 Mbit/s (Ch1)	10/100 Mbit/s	
Line redundancy	No			
Module redundancy	Yes		No	
Hot Swap	Yes			
Used together with HI Controller	Yes			
Client or server			MMS (Client), Goose (Publisher & Subscriber)	
Network redundancy			No	
<b>Dimensions</b>				
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)			
<b>Environment and certification</b>				
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)			
WEEE compliance	DIRECTIVE/2012/19/EU			

<sup>1</sup> For detailed information on each module, please visit: [compacthardwareselector.com](http://compacthardwareselector.com)



Specific feature <sup>1</sup>	CI869	CI871	CI871A	CI873
<b>General info</b>				
Protocol	ABB's Advant Fieldbus 100	PROFINET IO		EtherNet IP / DeviceNet
Article number	3BSE049110R1	3BSE056767R1	3BSE092693R1	3BSE056899R1
Master or slave	Slave	Master		
Transmission speed	1.5 Mbit/s	10/100 Mbit/s		
Line redundancy	Yes	No		
Module redundancy	Yes			
Hot Swap	Yes			
Used together with HI Controller	Yes			
<b>Dimensions</b>				
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)			
<b>Environment and certification</b>				
RoHS compliance	-	DIRECTIVE/2011/65/EU (EN 50581:2012)		
WEEE compliance	DIRECTIVE/2012/19/EU			

<sup>1</sup> For detailed information on each module, please visit: [compacthardwareselector.com](http://compacthardwareselector.com)



<b>Specific feature <sup>1</sup></b>	<b>CI873A</b>
<b>General info</b>	
Protocol	EtherNet IP / DeviceNet
Article number	3BSE092695R1
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
<b>Dimensions</b>	
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)
<b>Environment and certification</b>	
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

<sup>1</sup> For detailed information on each module, please visit: [compacthardwareselector.com](http://compacthardwareselector.com)

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