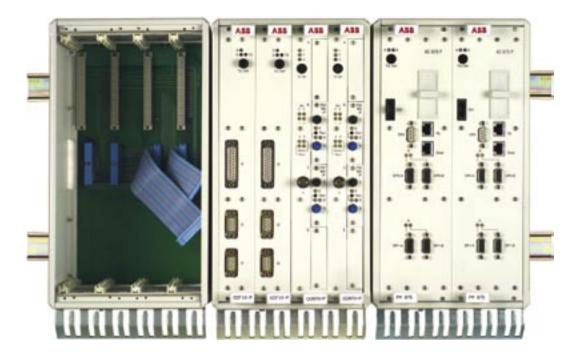
Industrial^{IT} System 800xA AC 870P – PH 875/PH 870 Housing

Data Sheet



The AC 870P control sub-system includes a new compact DIN rail mountable device. With this compact and DIN rail mounted device, customers get the latest control technology dedicated to installation in the field. Inherent redundancy design with integrated redundancy concepts for power supply, communication and I/O without additional configuration provide the highest level of availability. The assembly consists of a Main CPU-housing and connectable extension housings. A maximum of two extension houses are possible. 12 slots are possible with the maximum of two extension housings. The usable portfolio of AC 870P housings, PH 875 and PH 870, consist of PM 875, a CCF 10-P as Modbus interface, a CCR 70-P and the wide range of I/O interfaces. The CCR 70-P works as repeater for the AC 870P/Melody own high-speed serial communication network with inherent capability for remote communication. The network is easy to handle and does not need any routing configuration. A complete AC 870P within two extension housings can accommodate a redundant pair of PM 875's and an additional eight I/O modules. Optionally, ten I/O modules and two Fnet repeaters can be installed for a complete remote I/O solution.



Main- and Extension Housing			Basic Specification			
Mechanical data			Power supply	+24 V DC (+20 +33 V DC)		
Housing type	DIN-Rail mounted		(all consuming modules)	Details see "AC870P/Melody System Data and Handling (2PAA101137)"		
Dimensions of cabinet frame	Width: 215 mm					
	Depth: 200 mm		Climatic conditioning AC 870P housing and modules			
	Height: 365 mm		Permissible am- bient tempera- ture	0 45° C	Permissible housing intake temperature according to power loss and protection type	
Cabinet frame	Steel panel, powder coated					
Mounting	Double DIN-Rail, EN 50022 35 x 7,5/15,					
Weight	Spacing 202 mm (center/center) Approx. 3.5 kg (Main housing,			0 50° C	Permissible module intake temperature	
	without modules)			0 70° C	Module operating	
Color	RAL 9002				range	
Enclosure rating	IP 20 (standard)			-3085°C	Transportation/ storage	
Electrical data			Democia cile la vala			
Insulation test	Test performed on lines as per VDE 0660		Permissible rela- tive air humidity	Yearly average 75 %; with no con- densation in operation		
	Bus flat cable: 500 V wire against wire			approx. 95 % condensation per- missible in transportation/storage		
	230 V (AC) input: 2500 V against		Climatic class	3K3 to DIN EN 60 721 part 3-3		
	housing			KSF to DIN 40 040 (of 04.87)		
Shield connection	Shielding of the field cable is grounded at the AC 870P housing and at the DIN-Rail					
Power supply	SD 822, 5 A					
	SD 823, 10 A					

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