

Data Sheet

Modem

Type AKA 231



The AKA 231 is a modem for use together with ADAP-KOOL® Refrigeration Control Systems. It can transmit data between the refrigerating systems ADAP-KOOL system unit and an external operating interface that is also an ADAP-KOOL product. Transmission is via the telephone network.

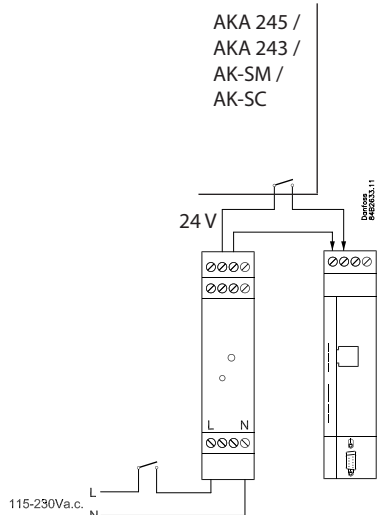
The modem is a PSI-DATA/BASIC-Modem/RS232 V.24 and is designed for use in an industrial environment with harsh EMC conditions.

Technical data

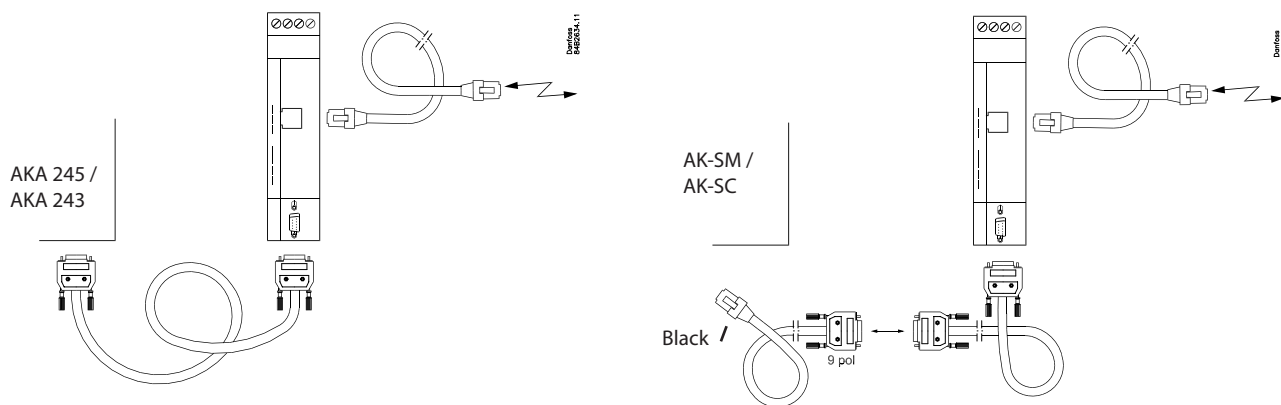
Supply voltage	To power supply	100 - 240 V a.c. 50/60 Hz (Supply modem with 24 V d.c.) At 115 V: 750 mA At 230 V: 450 mA
Connection	To System unit	9-pol D-SUB
	To telephone network	RJ12 6 pos.
Data format	Serial asynchronous UART/NRZ, 7/8 data, ½ stop, 1 parity, 10/11 bits character length	
Serial transmission speed	Automatic adjustment to: 300, 1200, 2400, 4800, 9600, 19200, 38400, 57600 and 115200 bps	
CE conformity	According to EMC directive 89/336/EEC	
Approvals	TBR21 TIA-968-A CS-03 for Europe, USA and Canada	
Ambient temperature	0 - 55°C	
Mounting	DIN rail	
Measure (H x B x D)	99 mm x 22.5 mm x 114.5 mm	
Weight	Modem	165 g
	Power supply	290 g
Internal earth	Linked to DIN bar via the housing	

Connections

Power supply for the modem comes via the automatic reset function from the system unit



The following cables are used for communication



Ordering

Type	Description	Code no.
AKA 231	Modem (PSI-data/basic-modem/RS232) + power supply + cable for AKA 243 and AKA 245 + cable for AK - unit + cable for telephone network	084B2242