

B&R - ACOPOSMulti**8BAC0120.000-1****ACOPOSMulti EnDat 2.1 Encoder Interface Module**

Official exact-model technical summary

Technical specifications

Module type	ACOPOSMulti plug-in module
Interface	EnDat 2.1
B&R ID code	0x22EF
Supported slots	1 and 2
Encoder input	1 x differential symmetrical SinCos
Input bandwidth	DC to 300 kHz at -3 dB; DC to 400 kHz at -5 dB
Maximum common-mode voltage	+/-7 V
Termination	120 ohm
Resolution	12 bit
Connector	15-pin male D-sub
Encoder monitoring	Yes
Maximum encoder cable length	75 m
Encoder supply	5 V +/-5%, maximum 250 mA
Serial interface	RS485, 781.25 kbit/s
Maximum power consumption	4 W, depending on encoder
Status indication	UP and DN LEDs

Documented role

B&R 8BAC0120.000-1 is an ACOPOSMulti plug-in encoder interface for EnDat 2.1 feedback devices.

It adds one SinCos encoder input and synchronous EnDat 2.1 communication to supported ACOPOSMulti drive slots for compatible motor-feedback systems.

Application and verification

- EnDat 2.1 motor-feedback integration in ACOPOSMulti servo systems
- SinCos position feedback for precision machine axes
- Position and speed feedback on compatible B&R servo-motor axes

Technical note

B&R 8BAC0120.000-1 requires exact ACOPOS system, power, cooling, connector, cable and project matching. Record the installed configuration, observe discharge and ESD procedures, then validate diagnostics and controlled operation before returning the machine to service.