ABB FEN-31 HTL FEEDBACK

Product Data Sheet

FEN-31 68978840

HTL Encoder Interface Module

MAXIMUM MODULE CURRENT	COMBINED ENCODER LOAD POWER	DEGREE OF PROTECTION	HTL DETECTION FREQUENCY
350 mA at 24 V	**5 W maximum**	**IP20**	**300 kHz maximum**

ABB FEN-31 68978840 is an HTL encoder interface module in the ABB FEN-31 HTL Feedback family. It serves compatible installed control equipment in the documented system configuration.

01 VERIFIED TECHNICAL DATA

Maximum module current	350 mA at 24 V
Combined encoder load power	5 W maximum
Degree of protection	IP20
HTL detection frequency	300 kHz maximum
HTL logic thresholds	Low <3.5 V; high >7.5 V
Selectable encoder supply	15 or 24 V DC ±20%, 200 mA maximum
External supply range	10 to 24 V DC
Differential encoder cable	300 m maximum
Single-ended push-pull cable	200 m maximum
Open-collector/emitter cable	100 m maximum

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Speed measurement range	-32768…32767 rpm
Speed resolution	0.04 rpm, 24 bit
Position resolution	16 million counts/revolution, 24 bit
Encoder terminal tightening	0.5 N m, 2.5 mm² maximum
Latch terminal tightening	0.3 N m, 1.5 mm² maximum

03 DOCUMENTED USE SETTINGS

Metal Processing and Rolling Production: Steel Rolling Process Control.

Pulp Processing and Paper Production: Pulp Preparation and Processing.

Mining and Mineral Processing Production: Mineral Processing and Beneficiation.

04 SYSTEM COMPATIBILITY

Match FEN-31 68978840 to the documented ABB FEN-31 HTL Feedback arrangement. Confirm the supplied execution, connections and required companion equipment before integration.

05 PRODUCT EVIDENCE

ABB FEN-31 User manual 3AUA0000031044 Rev D, pp.34 to 35

AMIKON PRODUCT SUPPORT

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