

ALLEN-BRADLEY 160 SSC

160-BA02NSF1

0.55 kW 380...460 V analog signal follower drive

Product identity and ratings

Manufacturer	Allen-Bradley
Catalog number	160-BA02NSF1
Product family	Bulletin 160 SSC
Product type	Adjustable-Speed AC Drive
Input supply	380...460 V AC three-phase, 50/60 Hz
Operational input range	340...506 V AC
Motor rating	0.55 kW / 0.75 hp
Maximum output current	1.7 A
Nominal input current	2.0 A at 460 V
Power dissipation	30 W
Enclosure	IP20 open type
Control version	SF1 Analog Signal Follower

Configuration and replacement checks

Analog voltage input	-10...+10 V DC, 100 kΩ input impedance
Analog current input	4...20 mA, 250 Ω input impedance
Potentiometer	1...10 kΩ external potentiometer
Output frequency	Up to 240 Hz
PWM carrier	2...8 kHz
Dimensions (W × H × D)	8.0 × 15.2 × 16.5 cm
Weight	0.94 kg
Operating temperature	0...50 °C for an open drive

Selection checkpoints

- Match the SF1 analog command wiring to either the voltage, current, or potentiometer input method used by the machine.
- Do not plan an internal braking transistor for this 0.55 kW catalog number; verify the stopping-duty solution separately.
- Check motor current, acceleration and deceleration settings, discrete control mode, communications adapter, grounding, and enclosure airflow before commissioning.