





Catalog #: 20BC140A0ANNANC0

PowerFlex 700 AC Drive 20B

Lifecycle status: End of Life

Rockwell Automation announces that as of November 30, 2023, the PowerFlex 700 AC Drive 20B will be discontinued and no longer available for sale. Customers are encouraged to remove references to the affected product(s).

Discontinued Date: Replacement Category: November 30, 2023 Engineering Replacement

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p & Feedback

Technical Specifications

Mechanical

Degree of protection (IP)	IP20
Shock	15 G peak for 11 ms duration (±1.0 ms)
Vibration	0.152 mm (0.006 inch) displacement, 1 G peak

Electrical

Number of analogue outputs 2 Mains voltage 400 V Integrated breaking resistance No Number of digital inputs 6 Number of digital outputs 3 Number of analogue inputs 2 Supporting protocol for DeviceNet Yes Max. output frequency 420 Hz Supporting protocol for EtherNet/IP Yes Line voltage, nom 400 V @ 380480 V drive rating, 400 V nominal motor voltage Mains frequency 50 Hz		
Integrated breaking resistance Number of digital inputs 6 Number of digital outputs 3 Number of analogue inputs 2 Supporting protocol for DeviceNet Max. output frequency 420 Hz Supporting protocol for EtherNet/IP Yes Line voltage, nom No 400V @ 380480V drive rating, 400V nominal motor voltage	Number of analogue outputs	2
Number of digital inputs Supporting protocol for DeviceNet Max. output frequency Supporting protocol for EtherNet/IP Line voltage, nom 6 Aumber of digital inputs 3 Yes 420 Hz 420 Hz 400V @ 380480V drive rating, 400V nominal motor voltage	Mains voltage	400 V
Number of digital outputs 2 Supporting protocol for DeviceNet Max. output frequency Supporting protocol for EtherNet/IP Yes Line voltage, nom 3 Yes 420 Hz 400V @ 380480V drive rating, 400V nominal motor voltage	Integrated breaking resistance	No
Number of analogue inputs 2 Supporting protocol for DeviceNet Yes Max. output frequency 420 Hz Supporting protocol for EtherNet/IP Yes Line voltage, nom 400V @ 380480V drive rating, 400V nominal motor voltage	Number of digital inputs	6
Supporting protocol for DeviceNet Yes Max. output frequency 420 Hz Supporting protocol for EtherNet/IP Yes Line voltage, nom 400V @ 380480V drive rating, 400V nominal motor voltage	Number of digital outputs	3
Max. output frequency 420 Hz Supporting protocol for EtherNet/IP Yes Line voltage, nom 400V @ 380480V drive rating, 400V nominal motor voltage	Number of analogue inputs	2
Supporting protocol for EtherNet/IP Yes 400V @ 380480V drive rating, 400V nominal motor voltage	Supporting protocol for DeviceNet	Yes
Line voltage, nom 400V @ 380480V drive rating, 400V nominal motor voltage	Max. output frequency	420 Hz
Line voltage, nom voltage	Supporting protocol for EtherNet/IP	Yes
Mains frequency 50 Hz	Line voltage, nom	
	Mains frequency	50 Hz

Efficiency	97.5% at rated amps, nominal line volts
Number of phases output	3
Number of phases input	3
Relative symmetric net voltage tolerance	10 %
With control element	Yes
Supporting protocol for LON	Yes
Supporting protocol for TCP/IP	Yes
Supporting protocol for PROFIBUS	Yes
Supporting protocol for CAN	Yes
Supporting protocol for Modbus	Yes
Input frequency tolerance	47 Hz

Environmental

Altitude	1000 m (3300 ft.) maximum without derating
Degree of protection (NEMA)	1
Operating temperature	40 °C @ 400V AC
Storage temperature	-40 °C
Relative humidity	595% noncondensing



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