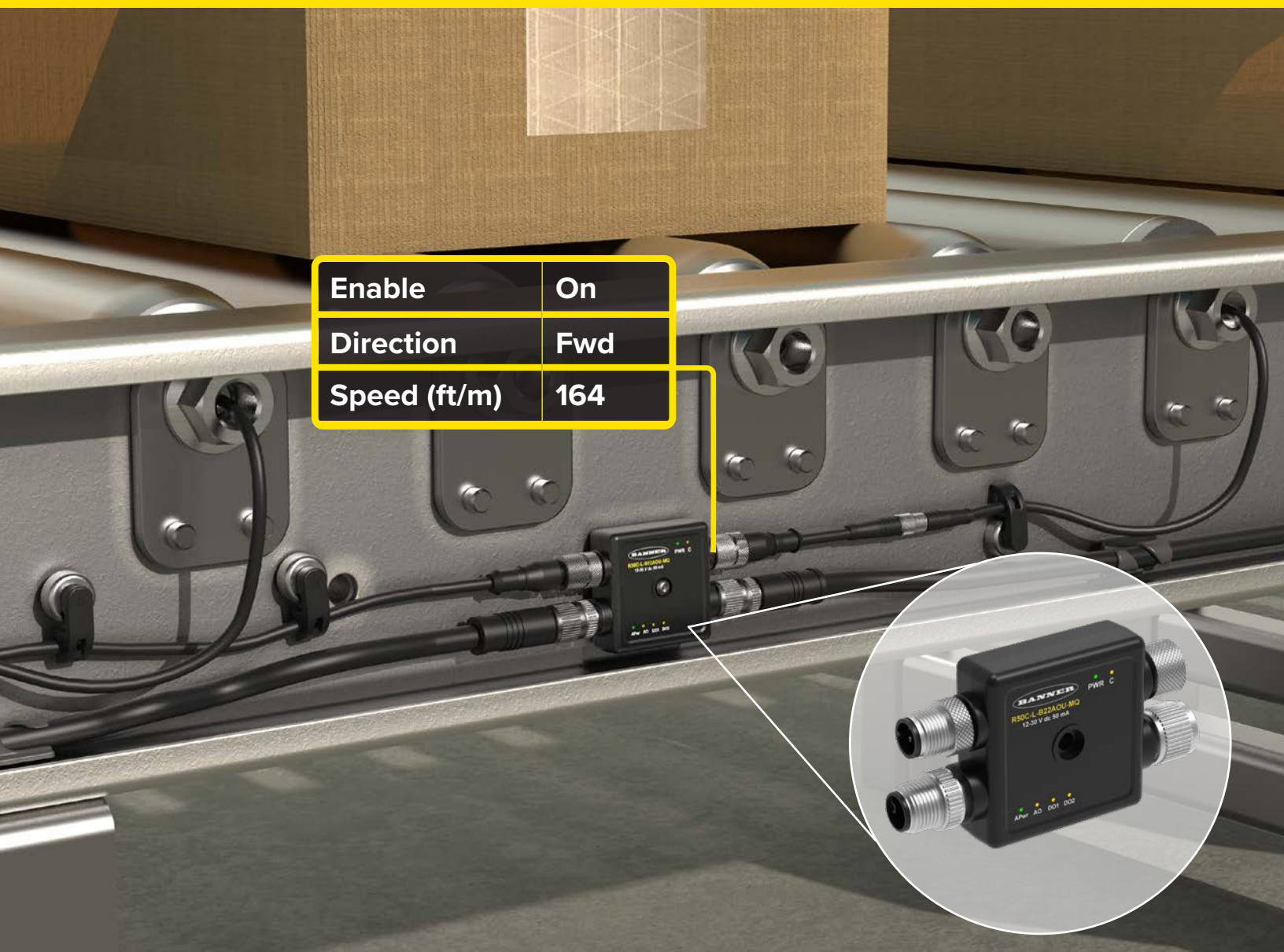


R50C Motor Driven Roller Controller



Enable	On
Direction	Fwd
Speed (ft/m)	164



Compact Plug-and-Play Motor Driven Roller Control

- Easily control motor driven rollers from a PLC using Modbus® communication
- Simplify installation of multiple R50Cs on a conveyor using standard A-coded M12 connectors for signals and L-coded M12 connectors for daisy chaining up to 16 amps of motor power
- Can be used in refrigerated, wet, and other challenging environments with IP67-rated fully sealed housing and -40° to 70° C operating range without an additional protective enclosure
- Monitor status and troubleshoot with ease via LED indicators



R50C Motor Driven Roller Controller

Function	Control	Connectors	Model
2 discrete outputs and 1 analog 0-18 V output	Modbus	1 Pair: 5-pin M12 A-Code male quick-disconnect connector (power/comms) 5-pin M12 A-Code female quick-disconnect connector (MDR control) and 1 Pair: 5-pin M12 L-Code male quick-disconnect connector (motor power) 5-pin M12 L-Code female quick-disconnect connector (motor power)	R50C-L-B22AOU-MQ

Specifications



Supply Voltage

A-Code: 12 to 30 V DC at 400 mA maximum
L-Code: 24 V DC +/- 10% at 16 A maximum

Construction

Coupling Material: Nickel-plated brass
Connector Body: PVC translucent black

Operating Conditions

-40 to +70 °C

Environmental Rating

IP65, IP67, IP68

Certifications



Compatible Integrated Control Rollers

- Itoh Denki PM – XC
- Interroll EC310
- Lenze MDR o450
- Rulmeca BL3
- Itoh Denki PM - XE, XP
- Interroll EC5000
- PulseRoller Senergy IDC

Accessories

4-Pin M12 Double-Ended

Straight connector models for power and communications

- BC-M12F4-M12M4-22-2
2 m (6.5')
- BC-M12F4-M12M4-22-5
5 m (16.4')
- BC-M12F4-M12M4-22-10
10 m (32.8')

5-Pin M12 L-Code Double-Ended

M12 L-Code supply powers the outputs

- BCP-M12LF5-M12LM5-14-1
1 m (3.2')
- BCP-M12LF5-M12LM5-14-10
10 m (32.8')
- BCP-M12LF5-M12LM5-14-15
15 m (49.2')

5-Pin M12 To M8 Double-Ended

Straight connector models for connection between R50C and motor driven roller

- BC-M8F5B-M12M5-24-0.5
0.5 m (1.6')
- BC-M8F5B-M12M5-24-1
1 m (3.2')
- BC-M8F5B-M12M5-24-2
2 m (6.5')

4-Pin D-Code M12 to RJ45

Double-ended connector models for ethernet connection on DXMR90-X1

- STP-M12D-403
0.9 m (2.9')
- STP-M12D-406
1.83 m (6')
- STP-M12D-415
4.57 m (15')
- STP-M12D-430
9.14 m (30')



Industrial Controller

- Allows PLC communication with MDR controller via common industrial protocols Modbus TCP, Ethernet I/P and ProfiNet
- Four dedicated Modbus client ports allow communication with multiple motor driver roller controllers

DXMR90-X1



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