

R50C Motor Driven Roller Controller



Compact Plug-and-Play Motor Driven Roller Control

- Easily control motor driven rollers from a PLC using Modbus® communication
- Simplify installation of multiple R50C's 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

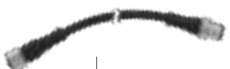


Supply Voltage	A-Code: 12 to 30 V DC at 400 mA maximum L-Code: 24 V DC +/- 10% at 16 A maximum
Construction	Coupling Material: Nickel-plated brass Connector Body: PVC translucent black
Operating Conditions	-40 to +70 °C
Environmental Rating	IP65, IP67, IP68
Certifications	CE UK CA

Compatible Integrated Control Rollers


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

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 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')



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')



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

