

AM59H-1314-EC15-M12 Cut Sheet



Lika Electronic AM59 series multi-turn absolute rotary encoder, 5-30 VDC, EtherCAT output, medium duty, up to 13-bit (8192 ppr)/up to 14-bit turns, multiple hollow shafts (6mm - 15mm), 58mm diameter body, IP65, axial exit, M12 male.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/AM59H-1314-EC15-M12>

Technical Specifications

Brand	Lika Electronic
Item	Encoder
Series	AM59
Feedback Type	Multi-turn absolute
Encoder Type	Rotary
Voltage Rating	5-30 VDC
Encoder Output Type	EtherCAT
Duty Rating	Medium duty
Communication Port and Connection Type(s)	(2) Ethernet 10/100Base-T (M12)
Port Protocol(s)	EtherCAT Slave
Port Speed(s)	100 Mbps
Encoder Resolution	Up to 13-bit (8192 ppr)/up to 14-bit turns
Shaft Type	Hollow
Shaft Diameter	6mm, 1/4in, 8mm, 3/8in, 10mm, 11mm, 12mm, 1/2in and 15mm

Radial Shaft Load	40N
Axial Shaft Load	40N
Speed Rating	6000rpm
Flange Mount	No
Encoder Body Diameter	58mm
Housing Material	Aluminum alloy
IP Rating	IP65
Protection Type(s)	<ul style="list-style-type: none">• short circuit• reverse polarity
Exit Orientation	Axial
Connector Type	M12 male
Requires	BR1-xx reducer bushing (15mm shaft does not require reducer)

Agency Approvals

UL Listed File #	None
UL Recognized File #	E211871
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/AM59H-1314-EC15-M12.pdf>
See store item page for other formats.