

# AM59H-1314-MB15-M12 Cut Sheet



Lika Electronic AM59 series multi-turn absolute rotary encoder, 10-30 VDC, Modbus RTU output, medium duty, up to 13-bit (8192 ppr)/up to 14-bit turns, multiple hollow shafts (6mm - 15mm), 58mm diameter body, IP65, radial 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-MB15-M12>

## Technical Specifications

<b>Brand</b>	Lika Electronic	<b>Radial Shaft Load</b>	40N
<b>Item</b>	Encoder	<b>Axial Shaft Load</b>	40N
<b>Series</b>	AM59	<b>Speed Rating</b>	9000rpm
<b>Feedback Type</b>	Multi-turn absolute	<b>Flange Mount</b>	No
<b>Encoder Type</b>	Rotary	<b>Encoder Body Diameter</b>	58mm
<b>Voltage Rating</b>	10-30 VDC	<b>Housing Material</b>	Aluminum alloy
<b>Encoder Output Type</b>	Modbus RTU	<b>IP Rating</b>	IP65
<b>Duty Rating</b>	Medium duty	<b>Protection Type(s)</b>	<ul style="list-style-type: none"><li>• short circuit</li><li>• reverse polarity</li></ul>
<b>Communication Port and Connection Type(s)</b>	(1) RS-485 (5-pin M12 A-coded)	<b>Exit Orientation</b>	Radial
<b>Port Protocol(s)</b>	Modbus RTU Slave	<b>Connector Type</b>	M12 male
<b>Port Speed(s)</b>	up to 115.2k baud	<b>Requires</b>	Lika Electronic EC-M12FC-LK-CB-Lxxx encoder cable and BR1-xx reducer bushing (15mm shaft does not require reducer)
<b>Encoder Resolution</b>	Up to 13-bit (8192 ppr)/up to 14-bit turns	<b>Additional Information</b>	Optional LIKA-MODBUS-RTU software available for custom configuration
<b>Shaft Type</b>	Hollow		
<b>Shaft Diameter</b>	6mm, 1/4in, 8mm, 3/8in, 10mm, 11mm, 12mm, 1/2in and 15mm		

## Agency Approvals

<b>UL Listed File #</b>	None
<b>UL Recognized File #</b>	E211871
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/AM59H-1314-MB15-M12.pdf>  
See store item page for other formats.