

AQ59H-PRG-HZC15-M12 Cut Sheet



Lika Electronic AQ59 series incremental (quadrature) rotary encoder, 5-30 VDC, universal (line driver or NPN/PNP open collector) output, medium duty, up to 14-bit (16384 ppr), multiple hollow shafts (6mm - 15mm), 59mm 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/AQ59H-PRG-HZC15-M12>

Technical Specifications

Brand	Lika Electronic
Item	Encoder
Series	AQ59
Feedback Type	Incremental (quadrature)
Encoder Type	Rotary
Voltage Rating	5-30 VDC
Encoder Output Type	Universal (line driver or NPN/PNP open collector)
Duty Rating	Medium duty
Encoder Resolution	Up to 14-bit (16384 ppr)
Shaft Type	Hollow
Shaft Diameter	6mm, 1/4in, 8mm, 3/8in, 10mm, 11mm, 12mm, 1/2in and 15mm
Radial Shaft Load	100N
Axial Shaft Load	100N
Frequency Response	500 kHz

Speed Rating	6000rpm
Flange Mount	No
Encoder Body Diameter	59mm
Housing Material	Aluminum alloy
IP Rating	IP65
Protection Type(s)	• short circuit (between each output and common) • reverse polarity
Exit Orientation	Radial
Connector Type	M12 male
Requires	Lika Electronic EC-M12F12-LKT12-xx encoder cable and BR1-xx reducer bushing (15mm shaft does not require reducer)
Additional Information	Default resolution is 1024ppr

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/AQ59H-PRG-HZC15-M12.pdf>
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