

# AMT312S-V Cut Sheet



CUI Devices AMT31 series incremental (quadrature)/commutation rotary modular kit encoder, 5 VDC, radial exit, push-pull (totem) encoder output, up to 4096 ppr, software configurable, push-pull (totem) commutation output.

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



<https://www.automationdirect.com/pn/AMT312S-V>

## Technical Specifications

<b>Brand</b>	CUI Devices	<b>Shaft Diameter</b>	2mm, 3mm, 1/8in, 4mm, 3/16in, 5mm, 6mm, 1/4in and 8mm
<b>Item</b>	Modular kit encoder	<b>Frequency Response</b>	Greater than 100 kHz
<b>Series</b>	AMT31	<b>Speed Rating</b>	2500/4000/8000rpm
<b>Feedback Type</b>	Incremental (quadrature)/commutation	<b>Flange Mount</b>	No
<b>Encoder Type</b>	Rotary	<b>Encoder Body Diameter</b>	29mm
<b>Replacement</b>	No	<b>Housing Material</b>	Metal
<b>Duty Rating</b>	Light duty	<b>IP Rating</b>	IP20
<b>Voltage Rating</b>	5 VDC	<b>Connector Type</b>	17-pin male
<b>Exit Orientation</b>	Radial	<b>For Use With</b>	NEMA 14, 17, and 23 dual shaft motors
<b>Encoder Output Type</b>	Push-pull (totem)	<b>Kit Includes</b>	(1) encoder module, (1) centering tool, (1) spacer tool, (1) shaft adapter and (9) shaft sleeves (2, 3, 4, 5, 6 and 8mm, 1/8, 3/16 and 1/4in)
<b>Encoder Resolution</b>	Up to 4096 ppr	<b>Requires</b>	AMT-17C-1-xxx encoder cable and AMT-PGRM-17C programming cable
<b>Configuration</b>	Software		
<b>Commutation Output Type</b>	Push-pull (totem)		
<b>Commutation Resolution</b>	Up to 20 motor poles		
<b>Shaft Type</b>	Hollow		

## Agency Approvals

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