AMT312D-V Cut Sheet

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CUI Devices AMT31 series incremental (quadrature)/commutation rotary modular kit encoder, 5 VDC, radial exit, line driver (differential) encoder output, up to 4096 ppr, software configurable, line driver (differential) commutation output.

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

https://www.automationdirect.com/pn/AMT312D-V

Technical Specifications

Brand	CUI Devices
Item	Modular kit encoder
Series	AMT31
Feedback Type	Incremental (quadrature)/commutation
Encoder Type	Rotary
Replacement	No
Duty Rating	Light duty
Voltage Rating	5 VDC
Exit Orientation	Radial
Encoder Output Type	Line driver (differential)
Encoder Resolution	Up to 4096 ppr
Configuration	Software
Commutation Output Type	Line driver (differential)
Commutation Resolution	Up to 20 motor poles
Shaft Type	Hollow

Shaft Diameter	2mm, 3mm, 1/8in, 4mm, 3/16in, 5mm, 6mm, 1/4in and 8mm
Frequency Response	Greater than 100 kHz
Speed Rating	2500/4000/8000rpm
Flange Mount	No
Encoder Body Diameter	29mm
Housing Material	Metal
IP Rating	IP20
Connector Type	17-pin male
For Use With	NEMA 14, 17, and 23 dual shaft motors
Kit Includes	(1) encoder module, (1) encoder standard base, (1) encoder wide base, (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)
Requires	AMT-17C-1-xxx encoder cable and AMT-PGRM-17C programming cable

Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	None
CSA File #	None
RoHS Status	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
EU REACH	View EU REACH document
Other	RoHS Statement

Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com/static/drawings/AMT312D-V.pdf
See store item page for other formats.