

Technical data sheet

Rotary encoder

Part no.: 50144569

LMSMA35A00024KH10M16

Contents

- Technical data
- Electrical connection



Figure can vary



Technical data

Basic data

Series	CMS 7xxi
Type	Incremental rotary encoder

Measurement data

Resolution	50 p/r
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Electrical data

Protective circuit	Polarity reversal protection Short circuit protected
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Performance data

Supply voltage U_B	10 ... 30 V, DC
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Interface

Type	HTL
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Connection

Number of connections	1 Piece(s)
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Connection 1

Function	Signal OUT Voltage supply
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

Mechanical data

Design	Cylindrical
Housing material	Metal
Metal housing	Aluminum
Housing color	Silver
Flange type	Clamping flange

Shaft

Design	Solid shaft with flattening
Dimension ($\varnothing \times L$)	10 mm
Dimension ($\varnothing \times L$)	20 mm
Start-up torque	0.01 N·m
Shaft load - axial	120 N
Shaft load - radial	220 N

Environmental data

Ambient temperature, operation	-10 ... 50 °C
Ambient temperature, storage	-10 ... 50 °C

Certifications

Degree of protection	IP 65
Standards applied	IEC 61000-6-2:2016, IEC 61000-6-4:2016 + A1
Test procedure for vibration in accordance with standard	10g IEC 68-2-6 (10...2000 Hz)

Classification

Customs tariff number	90318020
eCl@ss 5.1.4	27270501
eCl@ss 8.0	27270501
eCl@ss 9.0	27270501
eCl@ss 10.0	27270501
eCl@ss 11.0	27270501
ETIM 5.0	EC001486
ETIM 6.0	EC001486
ETIM 7.0	EC001486

Electrical connection

Connection 1

Function	Signal OUT Voltage supply
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

Electrical connection

Pin	Pin assignment
1	GND
2	V+
3	A
4	B
5	Z
6	A inverted
7	B inverted
8	Z inverted