Technical data sheet
Rotary encoder
Part no.: 50144569
LMSMA35A00024KH10M16

For Illustration purposes only

Contents

Technical data

Basic data

Series	CMS 7xxi
Type	Incremental rotary encoder

Measurement data

Resolution	50 p/r

Electrical data

Protective circuit	Polarity reversal protection
	Short circuit protected

Performance data

Supply voltage U_B	10 ... 30 V, DC

Interface

Type	HTL

Connection

Number of connections	1 Piece(s)

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
Net weight	1,275 g
Housing color	Silver
Flange type	Clamping flange

Shaft

Design	Solid shaft with flattening
Dimension (Ø x L)	10 mm
Dimension (Ø x 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
ECLASS 5.1.4	27270501
ECLASS 8.0	27270501
ECLASS 9.0	27270501
ECLASS 10.0	27270501
ECLASS 11.0	27270501
ECLASS 12.0	27270501
ECLASS 13.0	27270501
ECLASS 14.0	27270501
ECLASS 15.0	27270501
ECLASS 16.0	27270501
ETIM 5.0	EC001486
ETIM 6.0	EC001486
ETIM 7.0	EC001486
ETIM 8.0	EC001486
ETIM 9.0	EC001486
ETIM 10.0	EC001486

Electrical connection

Connection 1

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Electrical connection

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