

Encoder

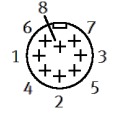
TU-30/80-EC-L/R

Part number: 540140

Product to be discontinued

Type to be discontinued. Available until 2025. See Support Portal for alternative products.

FESTO



Data sheet

Feature	Value
Measuring method: displacement encoder	Incremental
Size	58 mm
Shaft diameter	6 mm
Design structure	Open hollow shaft at one end
Mounting type	With mounting bracket
Type of shaft mounting	With locking ring at front
Max. speed	6,000 1/min
Product weight	390 g
Operating voltage range DC	4.5 ... 5.5 V
Nominal operating voltage DC	5 V
Max. current consumption	40 mA
Max. pulse frequency	300 kHz
Number of lines	2,500
Signal shape	Square-wave pulse, duty cycle 1:1
Encoder interface output, characteristics	RS422
Ambient temperature	-10 ... 70 °C
Storage temperature	-25 ... 85 °C
Protection class	IP65
Note on degree of protection	IP64 for shaft input
Safety class	III
Degree of contamination	2
Authorization	c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
PWIS conformity	VDMA24364 zone III
Connector exit direction	radial
Encoder interface, type of connection	Cable with plug
Encoder interface, cable outlet	Straight
Encoder interface, connection technology	M16x0,75
Encoder interface, number of pins/wires	8
Cable length	2 m
Cable diameter	6 mm
Bending radius, fixed cable installation	≥ 40 mm
Bending radius, flexible cable installation	≥ 100 mm
Material cable sheath	PVC
Cable sheath color	white
Material housing	Wrought Aluminum alloy
Material connector housing	Brass Nickel plated
Materials note	Conforms to RoHS