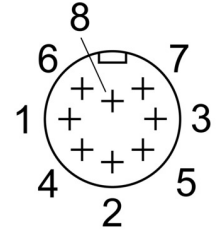
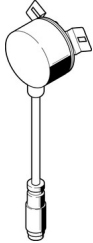


Encoder TU-30/80-EC-L/R

Part number: 540140

FESTO



Data sheet

Feature	Value
Type code	TU
Measuring principle of linear potentiometer	Incremental
Size	58 mm
Shaft diameter	6 mm
Design	with hollow shaft open at one end
Type of mounting	With mounting bracket
Shaft type of mounting	With lock ring at front
Max. rotational speed	6000 1/min
Product weight	390 g
DC operating voltage range	4.5 V ... 5.5 V
Nominal operating voltage DC	5 V
Max. current consumption	40 mA
Max. pulse frequency	300 kHz
Number of lines	2500
Signal shape	Rectangular pulse, duty cycle 1:1
Encoder interface output, characteristics	RS422
Ambient temperature	-10 °C ... 70 °C
Storage temperature	-25 °C ... 85 °C
Degree of protection	IP65
Note on degree of protection	IP64 for shaft input
Protection class	III
Contamination level	2
CE marking (see declaration of conformity)	As per EU EMC directive
Certification	c UL us - Listed (OL)
Connection outlet orientation	Radial
Encoder interface, connection type	Cable with plug
Encoder interface, cable outlet	Straight
Encoder interface, connection technology	M16x0.75
Encoder interface, number of pins/wires	8
Encoder interface, plug pattern	00995715
Cable length	2 m
Cable diameter	6 mm
Bending radius, fixed cable installation	≥40 mm
Bending radius, flexible cable installation	≥100 mm

Feature	Value
Material of cable sheath	PVC
Color cable sheath	White
Housing material	Wrought aluminum alloy
Material of plug housing	Brass Nickel-plated
Note on materials	Contains paint-wetting impairment substances RoHS-compliant