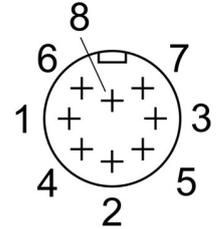
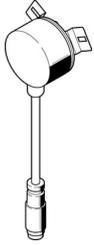


Encoder TU-30/80-EC-L/R

Part number: 540140

FESTO



Data sheet

Feature	Value
Type code	TU
Measuring principle of linear potentiometer	Incremental
Size	58 mm
Shaft diameter	6 mm
Structural 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
Certification	c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
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