

# Encoder cable NEBM-REG6-E-20-Q14N-REG6

Part number: 8097201

FESTO



 General operating condition

## Data sheet

Feature	Value
Cable designation	Without label holder
Electrical connection 1, function	Field device end
Electrical connection 1, design	Rectangular
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	Connection diagram RE
Electrical connection 1, number of pins/wires	6
Electrical connection 1, occupied pins/wires	6
Electrical connection for input 1, connection pattern	00995793
Electrical connection 2, function	Control side
Electrical connection 2, design	Rectangular
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	Connection diagram RE
Electrical connection 2, number of pins/wires	6
Electrical connection 2, occupied pins/wires	6
Electrical connection 2, connection pattern	00995792
DC operating voltage range	0 V ... 30 V
Operating voltage range AC	0 V ... 30 V
Current rating at 40° C	1.6 A
Surge resistance	2 kV
Cable length	20 m
Cable characteristic	Suitable for energy chains
Connector cable test conditions	Test conditions on request
Bending radius, fixed cable installation	≥55 mm
Bending radius, flexible cable installation	≥55 mm
Cable diameter	7.4 mm
Cable design	2 x 0.51 mm <sup>2</sup> + 4 x 0.205 mm <sup>2</sup>
Nominal conductor cross section	0.51 mm <sup>2</sup>
Nominal conductor cross section	AWG20 AWG24
Degree of protection	IP20
Note on degree of protection	In mounted state
Ambient temperature	-40 °C ... 80 °C
Ambient temperature with flexible cable installation	-10 °C ... 80 °C
CE marking (see declaration of conformity)	As per EU RoHS directive

<b>Feature</b>	<b>Value</b>
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS-compliant
Contamination level	3
Corrosion resistance class (CRC)	0 - No corrosion stress
Material of cable sheath	PVC
Color cable sheath	Black
Housing material	PVC
Housing colour	Gray
Insulating sheath material	PVC