Encoder cable
NEBM-REG6-E-25-Q14N-REG6

Part number: 8097202
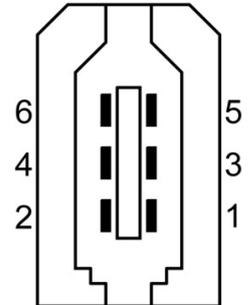
Data sheet

Feature	Value
Type code	NEBM
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	25 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 mm² + 4 x 0.205 mm²
Nominal conductor cross section	0.51 mm² 0.205 mm²

Feature	Value
Nominal conductor cross section	AWG20 AWG24
Degree of protection	IP20
Note on degree of protection	In mounted state
Ambient temperature	-40 ºC ... 80 ºC
Ambient temperature with flexible cable installation	-10 ºC ... 80 ºC
CE marking (see declaration of conformity)	As per EU RoHS directive
Note on materials	Contains paint-wetting impairment substances 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