Encoder cable NEBM-M12W8-E-2.5-LE8

FESTO

Part number: 1451675



General operating condition

Data sheet

Cable designation Without label holder Electrical connection 1, function Field device end Electrical connection 1, connection type Socket Electrical connection 1, connection type Socket Electrical connection 1, connection technology M12x1 A-coded as per EN 61076-2-101 Electrical connection 1, number of pins/wires 8 Electrical connection 1, number of pins/wires 8 Electrical connection 1, occupied pins/wires 8 Electrical connection 1, connection pattern 00992265 Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, connection technology Open end Electrical connection 2, connection technology Open end Electrical connection 2, connection technology 8 Coperating voltage range 0 V 30 V Nominal operating voltage range 0 V 30 V Nominal operating voltage AC 24 V Shield yes Cable length 2.5 m Cable length 2.5 m Cable length 2.5 m Cable d	Feature	Value
Electrical connection 1, design Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, cable outlet Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Belectrical connection 1, number of pins/wires Belectrical connection 1, occupied pins/wires Belectrical connection 2, function Control side Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, connection technology Open end Electrical connection 2, connection technology Open end Electrical connection 2, occupied pins/wires Belectrical connection 2, occ	Cable designation	Without label holder
Electrical connection 1, connection type Electrical connection 1, cable outlet Electrical connection 1, cable outlet Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires Electrical connection 1, occupied pins/wires Electrical connection 1, councided pins/wires Electrical connection 2, function Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, councetion technology Open end Electrical connection 2, councetion technology Electrical connection 2, councetion technology Open end Electrical connection 2, councetion technology Electrical connection 2, occupied pins/wires 8 Electrical con	Electrical connection 1, function	Field device end
Electrical connection 1, cable outlet Electrical connection 1, connection technology Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires Electrical connection 1, occupied pins/wires Electrical connection for input 1, connection pattern O0992265 Electrical connection 2, function Control side Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection technology Dopen end Electrical connection 2, occupied pins/wires Electrical connection 2, occupied pins/wires B Electrical connection 2, oc	Electrical connection 1, design	Round
Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires Electrical connection 1, occupied pins/wires Electrical connection 1, occupied pins/wires Electrical connection 1, connection pattern Oop92265 Electrical connection 2, function Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, number of pins/wires Belectrical connection 2, number of pins/wires Belectrical connection 2, number of pins/wires Belectrical connection 2, occupied pins/wires Belectrical connection 2,	Electrical connection 1, connection type	Socket
Electrical connection 1, number of pins/wires 8 Electrical connection 1, occupied pins/wires 8 Electrical connection 6r input 1, connection pattern 00992265 Electrical connection 2, function Control side Electrical connection 2, connection type Cable Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires 8 Electrical connection 2, occupied pins/wires 8	Electrical connection 1, cable outlet	Angled
Electrical connection 1, occupied pins/wires Electrical connection for input 1, connection pattern O0992265 Electrical connection 2, function Electrical connection 2, connection type Betertrical connection 2, conneber of pins/wires B Electrical connection 2, occupied pins/wires B Electrical connection 2, onnection 2, occupied pins/wires B Electrical connection 2, onea pins B Electrical connection 2, occupied pins/wires B Electrical connection 2, onea pins B Electrical connection 2, onea pins B Electrical connection 2,	Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection for input 1, connection pattern Control side	Electrical connection 1, number of pins/wires	8
Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection technology Depend Electrical connection 2, unmber of pins/wires Electrical connection 2, coupled pins/wires Bellectrical connection 2, connection 2, connection 2, coupled pins/wires Bellectrical connection 2, connection 24 W Nominal operating voltage range Cable denay of V 30 V Nominal operating voltage page Bending radius, flexible cable installation Cable denay flexible cable installation Cable diameter Cable design 4x 2 x 0.14 mm² Nominal conductor cross section 0.14 mm² Nominal conductor cross section 0.14 mm² Wire ends Cable end sleeve Degree of protection In mounted state Ambient temperature 40°C 80°C Ambient temperature with flexible cable installation 5°C 80°C CE marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials	Electrical connection 1, occupied pins/wires	8
Electrical connection 2, connection type Electrical connection 2, connection technology Den end Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires B Electrical connection 2, occupied pins/wires B Electrical connection 2, occupied pins/wires B C operating voltage range OV 30 V Nominal operating voltage DC Operating voltage range AC OV 30 V Nominal operating voltage AC Svinage Ves Cable length Cable length Cable length Cable diameter Cable diameter Cable diameter Cable design A x 2 x 0.14 mm² Nominal conductor cross section O14 mm² Wire ends Cable end sleeve Degree of protection Note on degree of protection Ambient temperature Ambient temperature with flexible cable installation CE marking (see declaration of conformity) LABS (PWIS) conformity VDMA24364-B2-L Note on materials RoHS-compliant	Electrical connection for input 1, connection pattern	00992265
Electrical connection 2, connection technology Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires B Electrical connection 2, occupied pins/wires B C operating voltage range OV 30 V Nominal operating voltage DC Operating voltage ange AC OV 30 V Nominal operating voltage AC Sultable for energy chains Electrical connection 2, occupied pins/wires Electrical connection 2, occupied pins/wires OV 30 V Nominal operating voltage PC 24 V Solidal yes Cable length Cable length Cable characteristic Suitable for energy chains Electrical connection 2, occupied pins/wires 8 Electrical connection 2, occupied pins/wire 9 Electrical Connection 3, occupied pins/wire 9 Electrical Connection 3, occupied pins/wire	Electrical connection 2, function	Control side
Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires B Co operating voltage range OV 30 V Nominal operating voltage DC Operating voltage range AC OV 30 V Nominal operating voltage AC Shield Shield Cable length Cable characteristic Suitable for energy chains Bending radius, flexible cable installation 268 mm Cable diameter Cable design 4 x 2 x 0.14 mm² Nominal conductor cross section Or 4 mm² Wire ends Degree of protection Note on degree of protection Ambient temperature Ambient temperature Ambient temperature with flexible cable installation Cable marking (see declaration of conformity) LABS (PWIS) conformity VDMA24364-B2-L Note on materials	Electrical connection 2, connection type	Cable
Electrical connection 2, occupied pins/wires DC operating voltage range OV 30 V Nominal operating voltage DC Operating voltage range AC OV 30 V Nominal operating voltage AC Shield Ves Cable length Cable characteristic Suitable for energy chains Bending radius, flexible cable installation 268 mm Cable diameter Cable design Ax 2 x 0.14 mm² Nominal conductor cross section O.14 mm² Wire ends Degree of protection Note on degree of protection Ambient temperature Ambient temperature with flexible cable installation CE marking (see declaration of conformity) LABS (PWIS) conformity VDMA24364-B2-L Note on materials ROMAN AND AV VALOR AV	Electrical connection 2, connection technology	Open end
DC operating voltage pange Nominal operating voltage DC Operating voltage range AC Nominal operating voltage AC Nominal operating voltage AC Shield Shield Shield Substitut of the stable installation Sea mm Cable characteristic Suitable for energy chains Bending radius, flexible cable installation Sea mm Cable diameter Cable design 4 x 2 x 0.14 mm² Nominal conductor cross section O.14 mm² Wire ends Cable end sleeve Degree of protection In mounted state Ambient temperature Ambient temperature with flexible cable installation Sea CC E marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) VDMA24364-B2-L Note on materials	Electrical connection 2, number of pins/wires	8
Nominal operating voltage DC Operating voltage range AC OV 30 V Nominal operating voltage AC Shield yes Cable length 2.5 m Cable characteristic Suitable for energy chains Bending radius, flexible cable installation 268 mm Cable diameter 6.8 mm Cable design 4 x 2 x 0.14 mm² Nominal conductor cross section 0.14 mm² Wire ends Cable end sleeve Degree of protection IP65 Note on degree of protection In mounted state Ambient temperature 4.0 °C 80 °C Ambient temperature with flexible cable installation CE marking (see declaration of conformity) LABS (PWIS) conformity VDMA24364-B2-L Note on materials ROME VERSE	Electrical connection 2, occupied pins/wires	8
Operating voltage range AC Nominal operating voltage AC Shield yes Cable length 2.5 m Cable characteristic Suitable for energy chains Bending radius, flexible cable installation 268 mm Cable design 4 x 2 x 0.14 mm² Nominal conductor cross section O.14 mm² Wire ends Cable end sleeve Degree of protection Note on degree of protection Ambient temperature Ambient temperature with flexible cable installation CE marking (see declaration of conformity) LABS (PWIS) conformity VDMA24364-B2-L Note on materials OV 30 V As per EU ROHS cinettive VDMA24364-B2-L Note on materials	DC operating voltage range	0 V 30 V
Nominal operating voltage AC Shield yes Cable length 2.5 m Cable characteristic Suitable for energy chains Bending radius, flexible cable installation 6.8 mm Cable design 4 x 2 x 0.14 mm² Nominal conductor cross section 0.14 mm² Wire ends Cable end sleeve Degree of protection Note on degree of protection Ambient temperature Ambient temperature with flexible cable installation For C 80 °C Ambient temperature with flexible cable installation For C 80 °C CE marking (see declaration of conformity) As per EU ROHS directive UKCA marking (see declaration of conformity) To UK ROHS instructions LABS (PWIS) conformity WDMA24364-B2-L Note on materials ROHS-compliant	Nominal operating voltage DC	24 V
Shield yes Cable length 2.5 m Cable characteristic Suitable for energy chains Bending radius, flexible cable installation \$68 mm Cable diameter 6.8 mm Cable design 4x 2 x 0.14 mm² Nominal conductor cross section 0.14 mm² Wire ends Cable end sleeve Degree of protection IP65 Note on degree of protection In mounted state Ambient temperature 4.0 °C 80 °C Ambient temperature with flexible cable installation 5 °C 80 °C E marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions UABS (PWIS) conformity VDMA24364-B2-L Note on materials ROHS-compliant	Operating voltage range AC	0 V 30 V
Cable length 2.5 m Cable characteristic Suitable for energy chains Bending radius, flexible cable installation \$\frac{268}{8}\$ mm Cable diameter 6.8 mm Cable design \$4 \times 2 \times 0.14 mm^2 Nominal conductor cross section 0.14 mm^2 Wire ends Cable end sleeve Degree of protection IP65 Note on degree of protection In mounted state Ambient temperature with flexible cable installation -5 °C 80 °C Ambient temperature with flexible cable installation -5 °C 80 °C E marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials RoHS-compliant	Nominal operating voltage AC	24 V
Cable characteristic Bending radius, flexible cable installation Cable diameter Cable design Ax 2 x 0.14 mm² Nominal conductor cross section O.14 mm² Wire ends Cable end sleeve Degree of protection Note on degree of protection Ambient temperature Ambient temperature with flexible cable installation CE marking (see declaration of conformity) UKCA marking (see declaration of conformity) LABS (PWIS) conformity Note on materials Suitable for energy chains Sum	Shield	yes
Bending radius, flexible cable installation Cable diameter Cable design 4 x 2 x 0.14 mm² Nominal conductor cross section 0.14 mm² Wire ends Cable end sleeve Degree of protection Note on degree of protection In mounted state Ambient temperature Ambient temperature with flexible cable installation CE marking (see declaration of conformity) WCA marking (see declaration of conformity) AS per EU RoHS directive UKCA marking (see declaration of conformity) VDMA24364-B2-L Note on materials RoHS-compliant	Cable length	2.5 m
Cable diameter Cable design 4 x 2 x 0.14 mm² Nominal conductor cross section 0.14 mm² Wire ends Cable end sleeve Degree of protection IP65 Note on degree of protection In mounted state Ambient temperature 40 °C 80 °C Ambient temperature with flexible cable installation -5 °C 80 °C CE marking (see declaration of conformity) As per EU ROHS directive UKCA marking (see declaration of conformity) To UK ROHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials ROHS-compliant	Cable characteristic	Suitable for energy chains
Cable design 4x 2 x 0.14 mm² Nominal conductor cross section 0.14 mm² Wire ends Cable end sleeve Degree of protection IP65 Note on degree of protection In mounted state Ambient temperature -40 °C 80 °C Ambient temperature with flexible cable installation -5 °C 80 °C CE marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials ROHS-compliant	Bending radius, flexible cable installation	≥68 mm
Nominal conductor cross section O.14 mm² Wire ends Cable end sleeve Degree of protection IP65 Note on degree of protection In mounted state Ambient temperature -40 °C 80 °C Ambient temperature with flexible cable installation -5 °C 80 °C CE marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK ROHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials ROHS-compliant	Cable diameter	6.8 mm
Wire ends Cable end sleeve Degree of protection IP65 Note on degree of protection In mounted state Ambient temperature -40 °C 80 °C Ambient temperature with flexible cable installation -5 °C 80 °C CE marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials RoHS-compliant	Cable design	4 x 2 x 0.14 mm ²
Degree of protection IP65 Note on degree of protection In mounted state Ambient temperature -40 °C 80 °C Ambient temperature with flexible cable installation -5 °C 80 °C CE marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials RoHS-compliant	Nominal conductor cross section	0.14 mm ²
Note on degree of protection Ambient temperature -40 °C 80 °C Ambient temperature with flexible cable installation -5 °C 80 °C CE marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials RoHS-compliant	Wire ends	Cable end sleeve
Ambient temperature -40 °C 80 °C Ambient temperature with flexible cable installation -5 °C 80 °C CE marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials RoHS-compliant	Degree of protection	IP65
Ambient temperature with flexible cable installation -5 °C 80 °C CE marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials ROHS-compliant	Note on degree of protection	In mounted state
CE marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials ROHS-compliant	Ambient temperature	-40 °C 80 °C
UKCA marking (see declaration of conformity) LABS (PWIS) conformity VDMA24364-B2-L Note on materials ROHS-compliant	Ambient temperature with flexible cable installation	-5 °C 80 °C
LABS (PWIS) conformity VDMA24364-B2-L Note on materials RoHS-compliant	CE marking (see declaration of conformity)	As per EU RoHS directive
Note on materials RoHS-compliant	UKCA marking (see declaration of conformity)	To UK RoHS instructions
'	LABS (PWIS) conformity	VDMA24364-B2-L
Material of cable sheath TPE-U(PUR)	Note on materials	RoHS-compliant
	Material of cable sheath	TPE-U(PUR)

Feature	Value
Color cable sheath	Gray