Encoder cable NEBM-M12G8-E-2.5-LE8

FESTO

Part number: 1451587



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, canbe outlet Straight Electrical connection 1, canbe outlet Straight Electrical connection 1, canbe outlet Straight 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, occupied pins/wires 8 Electrical connection 1, occupied pins/wires 8 Electrical connection 1, occupied pins/wires 00992265 Electrical connection 2, connection pattern 00992265 Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, connection type Sale Electrical connection 2, counbed pins/wires 8 Electrical connection 2, counbed pins/wires 8 Electrical connection 2, counbed pins/wires 8 Electrical connection 2, number of pins/wires 8 Electrical connection 2, number of pins/wires 8 Electrical connection 2, occupied pins/wires 8 Electrical connect	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 M12x1 A-coded as per EN 61076-2-101 Electrical connection 1, number of pins/wires B Electrical connection 1, occupied pins/wires B Electrical connection 1, occupied pins/wires B Electrical connection 1, occupied pins/wires B Electrical connection 1, connection pattern O0992265 Electrical connection 2, function Control side Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, coupled pins/wires B 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 OV30 V Nominal operating voltage AC Ov30 V Nominal operating voltage AC OV30 V Nominal operating voltage AC Sobied Cable length D Cable characteristic Suitable for energy chains Bending radius, flexible cable installation SoB mm Cable daimeter Cable daimeter Cable daimeter Cable daimeter Cable daimeter Cable daimeter Cable design Ax 2 x 0.14 mm² Nominal conductor cross section O14 mm² Nominal conductor cross section O14 mm² Wire ends Cable ends Cable end sleeve Degree of protection In mounted state Ambient temperature A0 °C80 °C Cmarking (see declaration of conformity) Aper EU ROHS directive UKCA marking (see declaration of conformity) VDMA24364-B2-1 Note on materials	Cable designation	Without label holder
Electrical connection 1, connection type 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 Control side Electrical connection 2, function Cable Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires 8 Electrical connection 2, occupied	Electrical connection 1, function	Field device end
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 2, function Control side Electrical connection 2, function Control side Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, ocupied pins/wires 8 Coperating voltage range OV 30 V Nominal operating voltage DC Querating voltage range AC OV 30 V Nominal operating voltage AC Shield yes Cable length Cable characteristic Suitable for energy chains Bending radius, flexible cable installation Cable diameter Gable dasign 4 x 2 x 0.14 mm² Awain action actio	Electrical connection 1, design	Round
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 8 Electrical connection 1, occupied pins/wires Electrical connection 2, function 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 BElectrical connection 2, number of pins/wires BElectrical connection 2, occupied pins/wires BELECTRICAL connect	Electrical connection 1, connection type	Socket
Electrical connection 1, number of pins/wires 8 Electrical connection 1, occupied pins/wires 8 Electrical connection for input 1, connection pattern 00992265 Electrical connection 2, function Control side Electrical connection 2, connection type Cable Electrical connection 2, connection type Open end Electrical connection 2, connection type Open end Electrical connection 2, occupied pins/wires 8 DC operating voltage range OV 30 V Nominal operating voltage DC 24 V Operating voltage range OV 30 V Nominal operating voltage AC 30 V 30 V Nominal operating voltage AC 24 V Shield yes Cable length 2.5 m Cable length 2.5 m Cable diameter 6.8 mm Cable diameter 6.8 mm Cable design 4x x x 0.14 mm² Nominal conductor cross section 0.14 mm² Wire ends Cable end sleeve Degree of protection 1P65 Note on degree of protection 1 in mounted state Ambient temperature 40 °C 80 °C Electrical connection 2, occupied pins/wires 8 LABS (PWIS) conformity) Appet EU ROMA24364-B2-L Note on materials ROMA SCORPLIANT (Controlled) Applications 1 out RoMS instructions CABLE (PWIS) conformity VDMA24364-B2-L Note on materials	Electrical connection 1, cable outlet	Straight
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 type Electrical connection 2, number of pins/wires Betetrical connection 2, number of pins/wires Betetrical connection 2, occupied pins/wires Betetrical connection 2, occupied pins/wires Betetrical connection 2, occupied pins/wires Bo Coperating voltage range OV 30 V Nominal operating voltage DC Operating voltage range AC Ov 30 V Nominal operating voltage AC Shield yes Cable length Questing voltage AC Suitable for energy chains Bending radius, flexible cable installation Selbe diameter Cable design Av 2 x 0.14 mm² Cable diameter Cable design Av 2 x 0.14 mm² Wire ends Cable end sleeve Degree of protection In mounted state Ambient temperature Ambient temperature Ambient temperature with flexible cable installation Selbe red declaration of conformity) Apper Electrical Connection and the first installation Cab apper and the presentation of conformity) To UK Romis Sinstructions LABS (PWIS) conformity VDMA24364-B2-L Note on materials	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 Depen end Electrical connection 2, number of pins/wires Bellectrical connection 2, occupied pins/wires Bellectrical connection 2, open end Bellect	Electrical connection 1, occupied pins/wires	8
Electrical connection 2, connection type Electrical connection 2, connection technology Electrical connection 2, number of pins/wires Bectrical connection 2, occupied pins/wires Bectrical connection 24 V Nominal operating voltage range Cable length Cable length Cable deracteristic Suitable for energy chains Bending radius, flexible cable installation Se8 mm Cable diameter Cable design 4x 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 Ambient temperature Ambient temperature with flexible cable installation 5° C 80° C Ambient temperature with flexible cable installation 5° C 80° C Emarking (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	Electrical connection for input 1, connection pattern	00992265
Electrical connection 2, connection technology Electrical connection 2, number of pins/wires Belectrical connection 2, occupied pins/wires Bending voltage range Coperating voltage ange AC Ov 30 V Nominal operating voltage AC Substituting voltage range AC Operating voltage AC Substituting voltage range AC Substituting voltage AC Substituting volt	Electrical connection 2, function	Control side
Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires B CO operating voltage range O V 30 V Nominal operating voltage DC Operating voltage range AC Operating voltage range AC Operating voltage range AC Ov 30 V Nominal operating voltage AC Shield Substance of protection Cable characteristic Suitable for energy chains Bending radius, flexible cable installation Se8 mm Cable diameter Cable design 4x 2x 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 Fo C 80 °C CE 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 Bending radius, flexible cable installation Sab mm Cable design Ax 2 x 0.14 mm² Wire ends Degree of protection Note on degree of protection Ambient temperature Ambient temperature Wire mends (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) LABS (PWIS) conformity VDMA24364-B2-L Note on materials	Electrical connection 2, connection technology	Open end
DC operating voltage range Nominal operating voltage DC Qerating voltage range AC Nominal operating voltage AC Nominal operating voltage AC Shield Qes Cable length Cable length Cable characteristic Suitable for energy chains Bending radius, flexible cable installation Se8 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 In mounted state Ambient temperature Ambient temperature with flexible cable installation CE marking (see declaration of conformity) LABS (PWIS) conformity VDMA24364-B2-L Note on materials ROM- NOTE ON VALUE AND V	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 In mounted state Ambient temperature Ambient temperature with flexible cable installation CE marking (see declaration of conformity) LABS (PWIS) conformity NOMA 24364-B2-L Note on materials ROMA 24364-B2-L Note on materials ROMA 244564-B2-L ROMA 244564-B2-L ROME AMBIENT SERVICE AMBIENT	Electrical connection 2, occupied pins/wires	8
Operating voltage range AC Nominal operating voltage AC Shield yes Cable length Cable length Cable characteristic Bending radius, flexible cable installation 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 O.V 30 V Solv 30 V Av 2 x 0.14 mm² Ov 30 °C Ambient temperature with flexible cable installation To UK ROHS instructions VDMA24364-B2-L Note on materials ROHS-compliant	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 In mounted state Ambient temperature Ambient temperature with flexible cable installation 1 yo C 80 °C Ambient temperature with flexible cable installation 5 o C 80 °C Et marking (see declaration of conformity) As per EU RoHS directive UKCA marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity NOWA 24364-B2-L Note on materials	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 with flexible cable installation -5 °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 UABS (PWIS) conformity VDMA24364-B2-L Note on materials RoHS-compliant	Operating voltage range AC	0 V 30 V
Cable length Cable characteristic Bending radius, flexible cable installation 268 mm Cable design Cable design Cable design Cable ends Cable ends Cable ends Cable ends Cable ends Cable end sleeve Degree of protection In mounted state Ambient temperature Ambient temperature with flexible cable installation CE marking (see declaration of conformity) MICCA marking (see declaration of conformity) Cable ends Coble end sleeve In mounted state -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	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 Sui	Shield	yes
Bending radius, flexible cable installation 268 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 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) LABS (PWIS) conformity VDMA24364-B2-L Note on materials	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 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 4-40 °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 ℃ 80 ℃
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