

Siemens 6FX8002-2DC10-1FA0 Manual

Brand	Siemens
Product Series	Siemens
Product Type	-

Description

6FX8002-2DC10-1FA0

Product Description signal cable pre-assembled type: 6FX8002-2DC10 DRIVE-CLiQ with 24 V plug RJ45 IP20 on module side and IP67 on motor side MOTION-CONNECT 800PLUS released only up to 75 m length Dmax=7.1 mm length (m)=50

Electrical data

Design of the sensor Motor encoder DRIVE-CLiQ

Test voltage,rms Signal conductors 500V

Rated voltage UO/U in accordance with EN 50395 Power conductors 30V

Mechanical data

Type of connection cable engine side RJ45 DRIVE-CLiQ

Type of connection cable converter side DRIVE-CLiQ RJ45

7.1mm

Maximum cable outer diameter

Smallest bending radius (fixed installation) 35 mm

Smallest bending radius (flexible installation) 75 mm

Number of bends, max. 10,000,000

Maximum traversing velocity 300 m/min

Acceleration horizontal,max 50 m/s²

Tensile stress,max. Fixed installation 50 N/mm²

Tensile stress, max. Flexible installation 20 N/mm²

Torsional stress Absolute 30/m

Length 50.0m

Technical data

Ambient temperature

Operation with permanently installed cable -50... 80°C

Module- and motor-side RJ45 plug -20°C...80°C, M17 plug -20...80°C

Operation with moving cable -20...60°C

Storage -20...80°C

Module- and motor-side RJ45 plug -20°C...80°C, M17 plug -20...80°C

Kind of connection cable Basis cable

PUR, HD22.10 S2 (VDE 0282,part 10)

Material of the cable sheath DESINA-color green RAL 6018

Type of insulation Without CFC and silicone IEC60754-1/DIN

VDE 0472-815

Standard for behavior in fire: flame resistance EN 60332-1-1 to 1-3

Oil resistance EN 60811-2-1

Verification of suitability as authorisation for USA UL STYLE 2502

Verification of suitability as authorisation for Canada CSA-N.210.2-M90

Technical Specifications

Ambient temperature

Operation with permanently installed cable -50... 80°C

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