Plug socket with cable SIM-M12-8GD-10-PU Part number: 570008

FESTO



Data sheet

EN 61076-2-101 Cable designation Without label holder Electrical connection 1, function Field device end Electrical connection 1, connection type 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 Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection 2, connection type Electrical connection 2, occupied pins/wires B Electrical connectio	Feature	Value
Cable designation Without label holder Electrical connection 1, function Field device end Electrical connection 1, design Round Electrical connection 1, connection type Socket Electrical connection 1, connection type Electrical connection 1, conhection technology M12x1 A-coded as per EN 61076-2-101 Electrical connection 1, number of pins/wires Relectrical connection 1, occupied pins/wires Relectrical connection 1, occupied pins/wires Relectrical connection 1, occupied pins/wires Relectrical connection 1, type of mounting Screw-type lock 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 Relectrical connection 2, occupied pins/wires Relectric	Conforms to standard	· ·
Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection technology M12x1 A-coded as per EN 61076-2-101 Electrical connection 1, number of pins/wires BElectrical connection 1, number of pins/wires BElectrical connection 1, type of mounting Screw-type lock Electrical connection 1, type of mounting Control side Electrical connection 2, function Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, occupied pins/wires BELectrical connection 2, occupied pins/wires BOC operating voltage range OV30 V Ov30 V Ov30 V Current rating at 40° C 2 A Surge resistance O.8 kV Cable length Cable length Cable characteristic Standard Bending radius, fixed cable installation Bending radius, fixed cable installation Bending radius, fixed cable installation Gable diameter Gable diameter Gable diameter Gable diameter Gable diameter Cable design Nominal conductor cross section O.25 mm² Shielded Nominal conductor cross section Fig. 1P67		
Electrical connection 1, design Round Electrical connection 1, connection type Socket Electrical connection 1, cable 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, number of pins/wires 8 Electrical connection 1, type of mounting Screw-type lock Electrical 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, concupied pins/wires 8 Electrical connection 2, occupied pins/wires 9 Electrical connect		Without label holder
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, type of mounting Ectrical connection 2, tunction Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, counted pins/wires B Electrical connection 2, occupied pins/wires B Electrical connection 2, occupied pins/wires B Co operating voltage range OV30 V Operating voltage range AC OV30 V Current rating at 40° C 2 A Surge resistance O.8 kV Cable length 10 m Cable characteristic Standard Bending radius, fixed cable installation Bending radius, fixed cable installation Bending radius, flexible cable installation Cable diameter Cable diameter Cable diameter tolerance 4 0.2 mm Sx 0.25 mm² Shielded Nominal conductor cross section P67	Electrical connection 1, function	Field device end
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 BElectrical connection 1, occupied pins/wires BElectrical connection 1, type of mounting Control side Electrical connection 2, function Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, connection type Belectrical connection 2, connection type Belectrical connection 2, connection type Belectrical connection 2, connection technology Open end Belectrical connection 2, occupied pins/wires Belectrical connection 2, ocnnection 1, occupied pins/wires Belectrical connection 2, ocnnection 1, occupied pins/wires Belectrical connection 2, ocnnection 1, occupied pins/wires Belectrical connection 2, ocnnection	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, type of mounting 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, number of pins/wires B Electrical connection 2, occupied pins/wires B Electrical connection 2, occupied pins/wires B Electrical connection 2, occupied pins/wires B Coperating voltage range OV30 V Operating voltage range AC OV30 V Current rating at 40° C Surge resistance O.8 kV Cable length 10 m Cable characteristic Bending radius, fixed cable installation Bending radius, fixed cable installation Bending radius, flexible cable installation Gable diameter 6.3 mm Cable diameter tolerance 2.0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section O.25 mm² Wire ends Degree of protection	Electrical connection 1, connection type	Socket
Electrical connection 1, number of pins/wires 8 Electrical connection 1, occupied pins/wires 8 Electrical connection 1, type of mounting Screw-type lock 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 2, occupied pins/wires 8 DC operating voltage range Ov30 V Openating voltage range AC Current rating at 40° C Surge resistance O.8 kV Cable length 10 m Cable length 10 m Cable characteristic Standard Bending radius, fixed cable installation 32 mm Bending radius, fixed cable installation 66 mm Cable diameter 6.3 mm Cable diameter 10erance ± 0.2 mm Cable diameter tolerance ± 0.2 mm Cable design 8x 0.25 mm² Shielded Nominal conductor cross section 1P67	Electrical connection 1, cable outlet	Straight
Electrical connection 1, occupied pins/wires Electrical connection 1, type of mounting Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires B Electrical connection 2, occupied pins/wires B Electrical connection 2, occupied pins/wires B OV30 V Operating voltage range OV30 V Operating voltage range AC OV30 V Current rating at 40° C Surge resistance O.8 kV Cable length 10 m Cable characteristic Bending radius, fixed cable installation Bending radius, flexible cable installation Bending radius, flexible cable installation Cable diameter Cable diameter tolerance Cable diameter tolerance 2	Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, type of mounting Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires BElectrical connection 2, occupied 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 Operating voltage range AC OV30 V Current rating at 40° C Surge resistance O.8 kV Cable length 10 m Cable characteristic Standard Bending radius, fixed cable installation Bending radius, flexible cable installation 66 mm Cable diameter Cable diameter Cable diameter tolerance ± 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section O.25 mm² Wire ends Tin-plated Degree of protection	Electrical connection 1, number of pins/wires	8
Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires B Electrical connection 2, occupied pins/wires B Electrical connection 2, occupied pins/wires B DC operating voltage range OV30 V Operating voltage range AC OV30 V Current rating at 40° C Surge resistance O.8 kV Cable length 10 m Cable characteristic Bending radius, fixed cable installation Bending radius, fixed cable installation Bending radius, flexible cable installation Gable diameter Cable diameter Cable diameter tolerance # 0.2 mm Cable design B x 0.25 mm² Shielded Nominal conductor cross section O.25 mm² Wire ends Tin-plated Degree of protection	Electrical connection 1, occupied pins/wires	8
Electrical connection 2, connection type Electrical connection 2, connection technology Electrical connection 2, number of pins/wires B Electrical connection 2, occupied pins/wires B Coperating voltage range O v30 V Operating voltage range AC O v30 V Current rating at 40° C Surge resistance Oale length 10 m Cable characteristic Bending radius, fixed cable installation Bending radius, fixed cable installation Bending radius, flexible cable installation Gable diameter Cable diameter Cable design B x 0.25 mm² Shielded Nominal conductor cross section O.25 mm² Wire ends Degree of protection	Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 2, connection technology Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires B Coperating voltage range OV30 V Operating voltage range AC OV30 V Current rating at 40° C Surge resistance O8 kV Cable length 10 m Cable characteristic Bending radius, fixed cable installation Bending radius, flexible cable installation Bending radius, flexible cable installation Cable diameter Cable diameter Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section Open end 8 x 0 y30 V 0 y30 V 0 y30 V 2 A Standard Standard 66 mm Cable domm Cable diameter 6.3 mm Cable diameter Cable diameter tolerance \$\frac{1}{2}\$ 0.2 mm Cable design Tin-plated Degree of protection	Electrical connection 2, function	Control side
Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires B DC operating voltage range OV30 V Operating voltage range AC OV30 V Current rating at 40° C Surge resistance O.8 kV Cable length 10 m Cable characteristic Bending radius, fixed cable installation Bending radius, flexible cable installation Bending radius, flexible cable installation Cable diameter Cable diameter Cable diameter tolerance 4 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section Degree of protection IP67	Electrical connection 2, connection type	Cable
Electrical connection 2, occupied pins/wires DC operating voltage range OV30 V Operating voltage range AC OV30 V Current rating at 40° C Surge resistance O.8 kV Cable length 10 m Cable characteristic Standard Bending radius, fixed cable installation Bending radius, flexible cable installation Bending radius, flexible cable installation Cable diameter Cable diameter Cable diameter tolerance 4 0.2 mm Cable design Nominal conductor cross section O.25 mm² Shielded Nominal conductor cross section IP67	Electrical connection 2, connection technology	Open end
DC operating voltage range 0 V30 V Operating voltage range AC Current rating at 40° C Surge resistance Ossible length Cable length Cable characteristic Bending radius, fixed cable installation Bending radius, flexible cable installation Cable diameter Cable diameter Cable diameter tolerance Cable design Nominal conductor cross section Degree of protection O V30 V O	Electrical connection 2, number of pins/wires	8
Operating voltage range AC Current rating at 40° C Surge resistance O.8 kV Cable length 10 m Cable characteristic Standard Bending radius, fixed cable installation Bending radius, flexible cable installation 66 mm Cable diameter Cable diameter Cable diameter tolerance ± 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section 0.25 mm² Wire ends Tin-plated Degree of protection	Electrical connection 2, occupied pins/wires	8
Current rating at 40° C Surge resistance 0.8 kV Cable length 10 m Cable characteristic Standard Bending radius, fixed cable installation Bending radius, flexible cable installation 66 mm Cable diameter 6.3 mm Cable diameter tolerance ± 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section 0.25 mm² Wire ends Degree of protection	DC operating voltage range	0 V30 V
Surge resistance Cable length Cable characteristic Standard Bending radius, fixed cable installation Bending radius, flexible cable installation Bending radius, flexible cable installation Cable diameter Cable diameter Cable design Sx 0.25 mm² Shielded Nominal conductor cross section O.25 mm² Wire ends Tin-plated Degree of protection	Operating voltage range AC	0 V30 V
Cable length Cable characteristic Standard Bending radius, fixed cable installation Bending radius, flexible cable installation Cable diameter 6.3 mm Cable diameter tolerance ± 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section 0.25 mm² Wire ends Tin-plated Degree of protection IP67	Current rating at 40° C	2 A
Cable characteristic Bending radius, fixed cable installation Bending radius, flexible cable installation Cable diameter Cable diameter tolerance Cable design Standard 66 mm 6.3 mm 4 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section 0.25 mm² Wire ends Tin-plated Degree of protection IP67	Surge resistance	0.8 kV
Bending radius, fixed cable installation 32 mm Bending radius, flexible cable installation 66 mm Cable diameter 6.3 mm Cable diameter tolerance ± 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section 0.25 mm² Wire ends Tin-plated Degree of protection IP67	Cable length	10 m
Bending radius, flexible cable installation Cable diameter Cable diameter tolerance ± 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section 0.25 mm² Wire ends Tin-plated Degree of protection 1P67	Cable characteristic	Standard
Cable diameter Cable diameter tolerance ± 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section 0.25 mm² Tin-plated Degree of protection IP67	Bending radius, fixed cable installation	32 mm
Cable diameter tolerance ± 0.2 mm Cable design 8 x 0.25 mm² Shielded Nominal conductor cross section 0.25 mm² Wire ends Tin-plated Degree of protection IP67	Bending radius, flexible cable installation	66 mm
Cable design 8 x 0.25 mm ² Shielded Nominal conductor cross section 0.25 mm ² Wire ends Tin-plated Degree of protection IP67	Cable diameter	6.3 mm
Shielded Nominal conductor cross section 0.25 mm² Wire ends Tin-plated Degree of protection IP67	Cable diameter tolerance	± 0.2 mm
Wire ends Tin-plated Degree of protection IP67	Cable design	
Degree of protection IP67	Nominal conductor cross section	0.25 mm ²
	Wire ends	Tin-plated
Note on degree of protection	Degree of protection	IP67
Note on degree or protection	Note on degree of protection	In mounted state

Feature	Value
Ambient temperature	-25 °C80 °C
Ambient temperature with flexible cable installation	-5 °C80 °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
Contamination level	3
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Gray
Housing material	TPE-U(PUR)
Material of screw-type lock	Brass, nickel-plated
Seals material	FPM
Material of pin contacts	Bronze, gold-plated
Insulating sheath material	PP