

# Preassembled IDC female connector - SAMPLE FP 1,27/26-FWL-11/ P/0,1 - 1026947

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Assembled IDC female connector, rated current: 1.2 A, Cable 1: cable length: 0.1 m, Cable type: Flat-ribbon conductor, Flat-ribbon conductor

The figure shows a 12-pos. version with 12 contacts

## Your advantages

- ✓ Gold-plated contacts ensure transfer quality remains stable over the long term
- ✓ Compact, high-position board-to-board or wire-to-board connectors for space-saving device designs
- ✓ Can be ordered pre-assembled: IDC female connectors with flat-ribbon cable enable immediate use in the device



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 520087
GTIN	4055626520087
Weight per Piece (excluding packing)	4.000 g
Custom tariff number	85444290
Country of origin	Czech Republic

## Technical data

### Item properties

Brief article description	IDC female connectors
Connector system	FINEPITCH 1,27 mm
Type of contact	Female connector
Range of articles	FP 1,27/...-FWL

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## Technical data

### Item properties

Pitch	1.27 mm
Number of positions	26
Number of levels	2
Number of connections	26
Number of potentials	26

### Electrical data

Nominal current at 20 °C	1.2 A IEC 60512-5-2:2002-02 (50-pos.)
Test voltage	500 V AC IEC 60512-4-1:2003
Contact resistance	≤10 mΩ, (IEC 60512-2-1:2002-02)
Insulation resistance	≥ 10 GΩ, (IEC 60512-3-1:2002-02)

### Connection capacity

Connection method	Displacement connection
Conductor cross section AWG / kcmil	30

### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	Selective coating
Metal surface contact area (top layer)	Gold (Au)
Metal surface contact area (middle layer)	Nickel (Ni) Palladium nickel, (PdNi)

### Material data - housing

Insulating material	LCP
Insulating material group	IIIa
CTI according to IEC 60112	175
Flammability rating according to UL 94	V0

### Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Pitch	1.27 mm

### Dimensions for the application

Medium offset	± 0.7 mm in longitudinal and transverse direction
Angular tolerance	± 4 ° in longitudinal direction
	± 2 ° in transverse direction

### Packaging information

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## Technical data

### Packaging information

Pieces per package	10
Denomination packing units	Pcs.

### General product information

Type of note	Note on application
	Note regarding documentation
	Notes on operation
Note	Please observe the application note on self-assembly in the download area.
	Current documents such as 3D models, products family drawings, data sheets or packaging drawings are available in the Download Center.
	The permissible voltage during operation depends on the application, taking into consideration the air clearances and creepage distances within the scope of insulation requirements in accordance with IEC 60664-1.

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-55 °C ... 125 °C

### Mechanical tests

Insertion and withdrawal force per contact	0.5 N
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### Service life

Service life	500 Insertion/withdrawal cycles, Performance level 1
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### Cables / lines 1

Cable type	Flat-ribbon conductor PVC
Length of cable	0.1 m
External sheath, color	gray
Note	Coded wire: red
Cable structure	26 x 7 x 0.102 mm
Conductor structure signal line	7x 0.10 mm
AWG signal line	30
Conductor cross section	0.06 mm <sup>2</sup>
Pitch	0.635 mm
Conductor material	Tin-plated Cu litz wires
Flame resistance	UL VW-1
UL AWM style	2678

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## Technical data

Cables / lines 1

Ambient temperature (mobile installation)	-10 °C 105 °C
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## Classifications

eCl@ss

eCl@ss 10.0.1	27440309
eCl@ss 11.0	27460202
eCl@ss 9.0	27440309

## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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## Approval details

EAC		B.01687
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