

har-flex Power F ang 4P SMT PL1 Sample



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Part number	15 65 004 2601 333
Specification	har-flex Power F ang 4P SMT PL1 Sample
HARTING eCatalogue	https://b2b.harting.com/15650042601333

Image is for illustration purposes only. Please refer to product description.

Identification Connectors Category Series har-flex[®] Identification Power Element Female connector Description of the contact Angled Version Termination method Reflow soldering termination (SMT) Motherboard to daughtercard Connection type Extender card Number of contacts 4 According to IEC 61984, it is an unencapsulated connector. Protection against Details electric shock must be ensured by the type of installation by the user. Pack contents Sample **Technical characteristics** Contact spacing (termination side) 2.54 mm Contact spacing (mating side) 2.54 mm Rated current 21 A

Rated voltage	180 V
Rated voltage	acc. to IEC 60664-1
Rated impulse voltage	1.5 kV
Pollution degree	2
Clearance distance	≥1.74 mm

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Page 1 / 3 | Creation date 2021-07-17 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany

Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



Technical characteristics

Creepage distance	≥1.74 mm PCB ≥1.89 mm Connector
Insulation resistance	>10 ¹⁰ Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 +125 °C
Performance level	1
Mating cycles	≥500
Test voltage U _{r.m.s.}	1.39 kV
Isolation group	Illa (175 ≤ CTI < 400)
Moisture Sensitivity Level (MSL)	1 acc. to ECA/IPC/JEDEC J-STD-020D
Process Sensitivity Level (PSL)	R0 acc. to ECA/IPC/JEDEC J-STD-020D
Coplanarity of contacts	0.1 mm

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Au over Pd/Ni Mating side Tin plated Termination side
Material flammability class acc. to UL 94	V-0

Commercial data

Packaging size	1
Country of origin	China
European customs tariff number	85366990
eCl@ss	27460201 PCB connector (board connector)

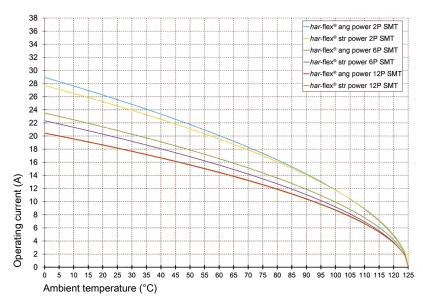
Page 2 / 3 | Creation date 2021-07-17 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com Product data sheet 15 65 004 2601 333 har-flex Power F ang 4P SMT PL1 Sample



Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (nonintermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



Derating curve 80%

Page 3 / 3 | Creation date 2021-07-17 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com