

## har-flex ang. hyb M 8P+36S THR PL1 400pc

		Part number	15 75 836 2701 000
		Specification	har-flex ang. hyb M 8P+36S THR PL1 400pc
		HARTING eCatalogue	https://b2b.harting.com/15758362701000
Identification			
Category	Connectors		
Series	har-flex <sup>®</sup>		
Identification	Hybrid		
Element	Male connec	tor	
Description of the contact	Angled		
Features	Termination	method of power contacts:	THR
Version			
Termination method	Reflow solde	ering termination (SMT)	
Connection type	Motherboard Extender car	l to daughtercard rd	
Number of contacts	44		
Number of signal contacts	36		
Number of power contacts	8		
Performance level	1		
Pack contents	400 pieces c	on reel	
Technical characteristics			
Contact spacing (mating side)	1.27 mm 2.54 mm		
Rated voltage	acc. to IEC 6	60664-1	
Rated voltage	50 V AC 120 V DC		
Rated impulse voltage	1.5 kV		
Pollution degree	2		

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conformity with applicable laws and directives, as well as for the electrical safety in the particular application.

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## **Technical characteristics**

Clearance distance	≥0.4 mm Signal contacts ≥0.94 mm Power contacts ≥0.7 mm Signal to power contacts
Creepage distance	<ul> <li>≥0.4 mm PCB: Signal contacts</li> <li>≥0.94 mm PCB: Power contacts</li> <li>≥0.7 mm PCB: Signal to power contacts</li> <li>≥0.4 mm Connector: Signal contacts</li> <li>≥1.89 mm Connector: Power contacts</li> <li>≥1.99 mm Connector: Signal to power contacts</li> </ul>
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 +125 °C
Mating cycles	≥500
Test voltage U <sub>r.m.s.</sub>	0.5 kV Signal 0.84 kV Signal / Power 0.84 kV Power / Power
Isolation group	IIIa (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	0.12 mm
Material properties	
Material (insert)	Liquid crystal polymer (LCP)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Au over Pd/Ni Mating side

Surface (contacts) Material flammability class acc. to UL 94

## Commercial data

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

Tin plated Termination side

V-0

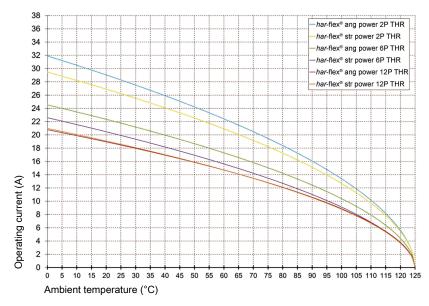
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## Current carrying capacity

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%

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