Number of contact	s	160				
Contact spacing (r	2.54					
Working current		1 A at 70 °C and all contacts are loaded				
see current carrying capacity chart						
Clearance and creepage distances						
minimal clearance and creepage distance		distance in mm				
		rows a, b, c	rows z, d	female angled		
between two rows	clearance creepage	1.2 1.2	1.2 1.2	0.6		
between two contacts	clearance	1.2	1.0	0.8		
(in a row)	creepage	1.2	1.0	0.8		
Working voltage						
The working voltage a on the clearance and dimensions of the pc the associated wiring	according to the safety regulations of the equipment Explanations see chapter 00					
Test voltage Ur.m.s.		1 kV	1 kV			
Contact resistance)					
rows a, b, c rows z, d		≤ 20 mΩ ≤ 30 mΩ				
Insulation resistance		\geq 10 ¹⁰ Ω acc. to IEC 60 512-2				
Temperature range for press-in termination		– 55 °C + 125 °C – 40 °C + 105 °C				
During reflow soldering		acc. to IEC $60512-11$ max. + 240 °C for 20 s				
for SMC connectors The higher temperature limit includes the local ambient and heating effects of the contacts under load						
Electrical terminat	ion					
pcb thickness Recommended pcb for press-in technolo	Solder pins for pcb termination Ø 1.0 ± 0.1 mm according to IEC 60 326-3 Crimp terminal 0.09 - 0.50 mm ² Compliant press-in terminations ≥ 1.6 mm See recommendation page 00.25 in acc. to EN 60 352-5					
Insertion and withdrawal force < 160 N						
Materiale						
Mouldings • Contacts		Liquid Cristal Polymer (LCP), for male connectors, straight female connectors, UL 94-V0 Thermoplastic resin glass-fibre filled, UL 94-V0 Copper alloy				
Contact Surface Contact zone		Plated acc. to performance level ¹⁾				

Current carrying capacity chart

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60512



With selective loading higher currents can be transmitted. The requirements according to VITA 1.7 are fulfilled.

harbus 64 with switches

Deviating technical characteristics for the switching elements.

minimal clearance and creepage distance		distance in mm	
		switching positions	
between two rows	clearance	0.5	
	creepage	0.7	
between two contacts (in a row)	clearance	0.5	
	creepage	0.7	

Contact resistance

Switching e	lements
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≤ 60 mΩ

Insertion and withdrawal force

Complete connector	≤ 180 N
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¹⁾ Explanation performance levels see chapter 00

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Number of contacts





Female connectors



Tooling see chapter 30

¹⁾ Press-in technology and refer to recommended configuration of pcb holes, see page 00.25

* selectively gold-plated

harbus 64 · complementary to IEC 61 076 - 4 - 113

Number of contacts





Female connectors



Tooling see chapter 30 ¹⁾ Press-in technology see page 00.25 ²⁾ Switching elements at positions a21-22, b4-5, b6-7, b8-9 and b10-11

ARTIN

harbus 64 · complementary to IEC 61 076 - 4 - 113

Number of contacts





Female connectors



har-bus 64

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Number of contacts

max. 160



Female connectors



har-bus 64

ARTIN

02

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