



# Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 47 095 - 03 HH

Company HUMMEL  
Metall- und Kunststofftechnik GmbH  
Mozartstraße 2  
D-79183 Waldkirch

Product Description Circular connector

Type M23 - V4A

Environmental Category F

Technical Data / Range of Application Cable plug and receptable  
inline receptable

6,7,9,12 pole type 150V AC  
16,17,19 pole type 100V AC

Ingress protection: IP X8 (3bar) EN 60529 (plug)  
material body: 1.4404 as per EN 10088-3  
insulation material: PBT, PA6 (UL 95-V0)  
temperature range: -40°C - + 45°C (120°C)  
vibration: 4g as per GL -characteristic curve 2

contact size 1mm diameter 8A  
contact size 2 mm diameter 20A

Test Standard GL- Guidelines for the performance of type tests: 2003  
DIN EN 60529:2000

Documents paconsult report 420-04 dated 1.7.2004  
Hummel type test report 04-10 09 dated 5.01.2005

Remarks Assembling instruction of the manufacturer to be observed

Valid until 2009-03-01

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Hamburg, 2005-03-02

Type Approval Symbol



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