



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. 44 849 - 07 HH

Company Reichle & De-Massari AG
Binzstrasse 31
8622 Wetzikon, SWITZERLAND

Product Description Flexible use RJ45 connector with an 8-wire connection and Cat. 5e performance

Type FM45 connector 1 x RJ45/s/u Cat.5e, IP 20
FM45 connector 1 x RJ45/s/u Cat.5e, IP67

Environmental Category D

Technical Data / Range of Application
Pole count: 8
Wire diameter section: Solid/wire 0,4 mm - 0,5 mm (AWG26-23)
Wire cross-section: Stranded/wire 0,12 mm² - 0,26 mm² (AWG 26/7 - 23/7)
Insulation material: Polycarbonate PC (UL-94-V0)
Contact durability: > 1000
Cable strain relief: > 50 N

Rated current: 1,75 A 20° C
Contact-resistance: < 1 mΩ (wire-IDC); < 5 mΩ (braid-IDC)
Plug contact: < 10 mΩ
Plug schieded: < 20 mΩ

Product code: R 312231 for FM45 connector 1xRJ45/s/u Cat.5e, IP 20
R 314686 for FM45 connector 1xRJ45/s/u Cat.5e, IP67

Test Standard Guidelines for the Performance of Type Approvals Part 2, Edition 2003
IEC 60603-7 RJ45 Cat. 5; IEC 60603-7-1 to 3:2002; EIA/TIA 568B:2002

Documents Test report : TL020.291_a, dated 21.06.2007
TL020291_c, dated 21.06.2007
TL020230, dated 22.07.2005

Remarks None

Valid until 2012-07-17

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File No. I.N.02

Hamburg, 2007-09-13

Type Approval Symbol



Germanischer Lloyd

Wolfgang Voß

Reinhard Fenster

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".