

# Type Approval Certificate



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 mm<sup>2</sup> - 0,26 mm<sup>2</sup> (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 **2017-11-12**

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File No. **I.N.02**

**Hamburg, 2012-11-12**

Type Approval Symbol



**Germanischer Lloyd**

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