

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. **44 851 - 07 HH**

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

Product Description **Connection System RJ45 Cat. 6 consisting of Connection Module Cat.6, 1xRJ45/s and diverse Patch Cords Cat. 6**

Type **Connection Modul Cat.6, 1 x RJ45/s**
Patch Cord Cat. 6, S/FTP, 4P, LSFRZH, RJ45/s-RJ45/s

Environmental Category **D**

Technical Data /
Range of Application **Mechanical data:**
Pole count: 8
Operating temperature: -10° C to 60° C
Humidity: 95 % (non condensing)
Hausing material: Polycarbonate (UL-94-V0)
Admissible wire: 0,5 mm (AWG24) - 0,65 mm (AWG22)
Admissible insulation: 0,8 mm - 1,6 mm
Electrical data:
Contact resistance: < 200 mΩ
Transfer impedance:

1 MHz	< 100 mΩ
10 MHz	< 200 mΩ
30 MHz	< 620 mΩ
80 MHz	< 1600 mΩ
100 MHz	< 2000 mΩ

Further technical datas according to the manufacturer's data sheet
Type variants, Assemblies and patch cords see page 2

Test Standard **Guidelines for the Performance of Type Approvals Part 2, Edition 2003**
IEC 60603-7-4 and -5:2002; ISO/TEC 11801:2002; EN 50173-1:2002

Documents **Test report : TL020.291_b, dated 21.06.2007**
TL020291_c, dated 21.06.2007
TE020.161, dated 03.01.2001

Remarks **None**

Valid until **2017-11-12**

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

Hamburg, **2012-11-12**

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Germanischer Lloyd

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Types/Assecories: **Modul Real 10 Cat.6; 1xRJ45/s
Module Real 10 Cat. 6; 1xRJ45/u
Module Real 10 Cat. 6; 1xRJ45/s Snap / in
Module Real 10 Cat. 6; 1xRJ45/s Special
Module Real 10 Cat. 6; 1xRJ45/s Flap-Jack**

Patch Cords Cat. 6: **The patch cords are used for connecting the network equipment to patch panels and telecommunications outlets, and cross connection between various applications and end users. They are suitable for transmission frequencies of up to 250 MHz.**

Types: **Patch Cord, Real 10 Cat. 6, S/FTP, 4P, LSFRZH, RJ45/s-RJ45/s
Patch Cord Real 10 Cat. 6, U/UTP, LSZH, RJ45/u-RJ45/u
CP Cable Real 10 Cat. 6, SF/FTP, 4p, LSFRZH, RJ45/s-RJ45/s**

Lengths: **0,5 m to 75 m**

Patch Cord Characteristics:	UTP/	S-STP
Inner conductor diameter:	Stranded copper 0,18 mm	Stranded copper 0,14 mm
Number of pairs:	4	4
Screen 1 pair:	None	None
Outer screen:	None	Cu-braid + Al/polyester foil
Jacket:	PVC or LSOH	PVC or LSFROH
Overall diameter:	5,1 mm / 5,6 mm	5,5 mm / 6 mm
Bend Radius:	25 mm	30 mm

R&M Security System: **Colour Coding, Plug-in and Plug-out Protection**

R&M IP - System: **IP 54(Splash), IP 67**

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