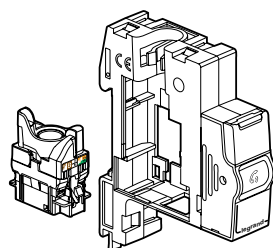
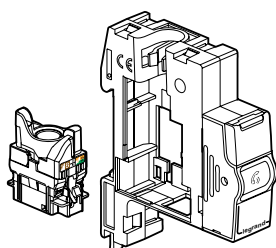


## UTP/FTP/STP category 6 patch module

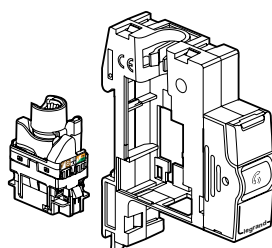
Catalogue number(s): 413001/413002/413003



413001



413002



413003

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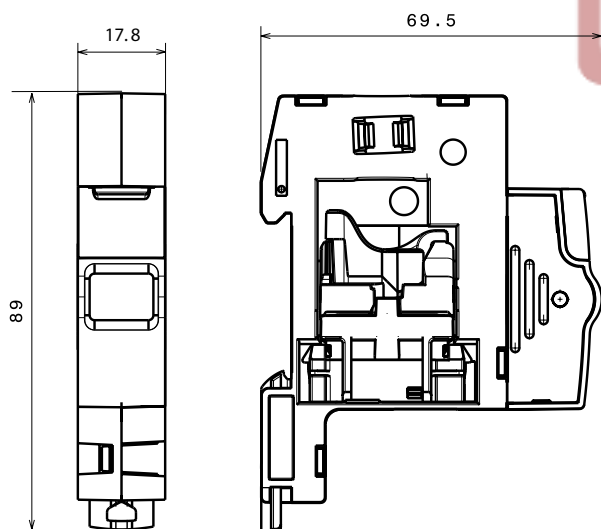
### 1. INTRODUCTION

Patch equipment for Grade 1, 2 and 3 applications with STP. RJ45 patch modules - Category 6 components.  
With an RJ45 core and reversible front cover for easier management of upward or downward outputs.  
With a label-holder for marking the room concerned.  
Identification of the medium used in the room by knob.  
DIN rail mounting.  
Takes high-speed transmissions (Ethernet Gigabit).

### 2. SELECTION CHART

Description	Cat. Nos.	No. of modules	Type	Weight (g)
Category 6 patch modules	413001	1	UTP	36
	413002	1	FTP	36
	413003	1	STP	66

### 3. OVERALL DIMENSIONS



### 4. TECHNICAL FEATURES

#### Module:

Plastic casing: PC RAL 7035  
IP20 - IK04  
Tensile resistance on DIN rail: 100 N

#### Connector:

- Contacts: gold/nickel, thickness of gold > 0.8 µm minimum
- Metal parts: bronze, nickel, platinum, gold
- Polycarbonate PBT

For the STP modules the body and the spreader are made of metal alloy with copper and nickel coating.

The STP connectors have a steel ring for 360° earthing.

#### 4.1 Electrical features:

Breakdown voltage ≥ 1000 V  
Contact resistance ≤ 20 mΩ  
Insulation resistance ≥ 500 mΩ at 100 VDC

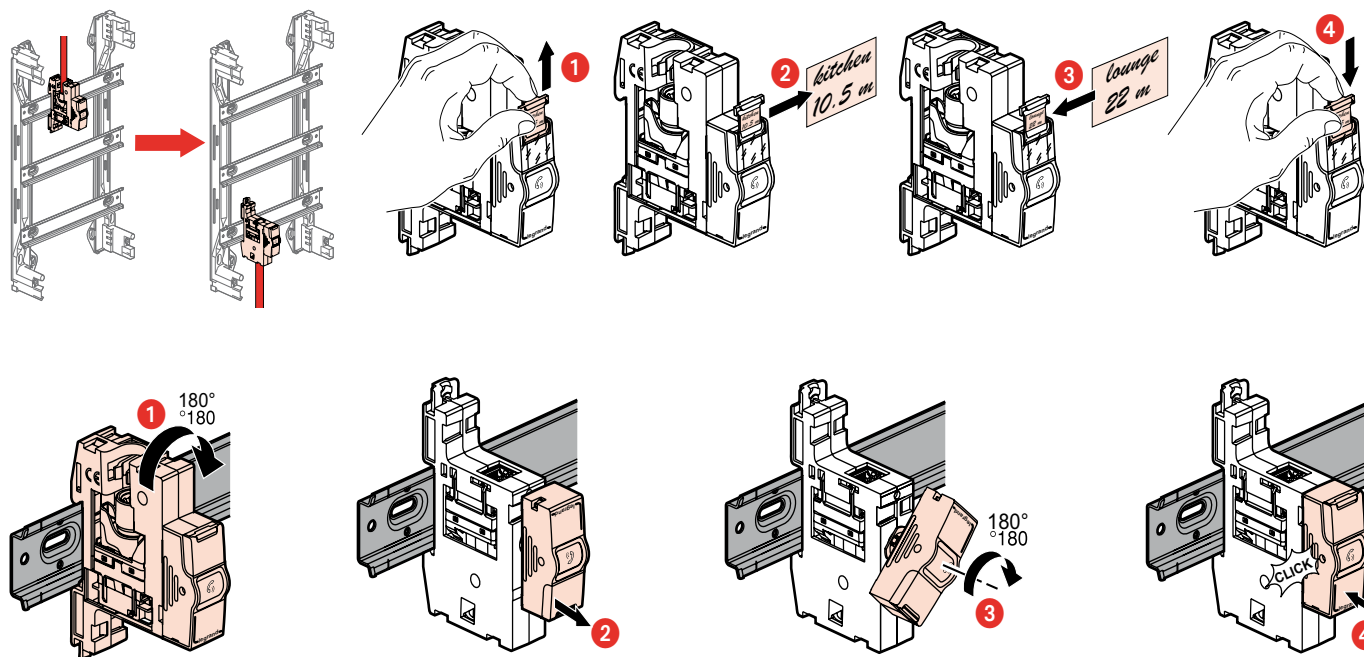
#### 4.2 Mechanical features:

Max. number of connections and disconnections: 5 without replacing the wire  
Endurance: 2500 operations (plugging in/unplugging)

#### 4.3 Climatic features:

Operating temperature: + 5°C to + 40°C  
Storage temperature: - 25°C to + 70°C

5. SETUP AND CONNECTION



6. COMPLIANCE AND APPROVALS

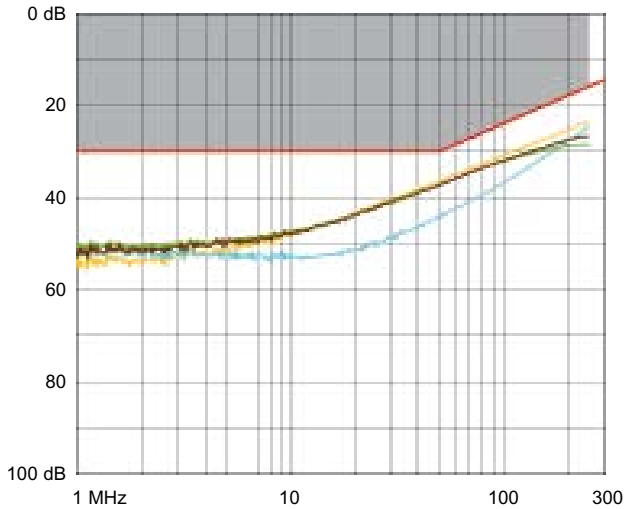
Conforming to standards: ISO/IEC 11801 Ed2  
 CENELEC EN 50173-1 2007  
 ANSI/EIA/TIA 568-B.2-1  
 IEC 60603-7 series

legrandaruhaz.hu

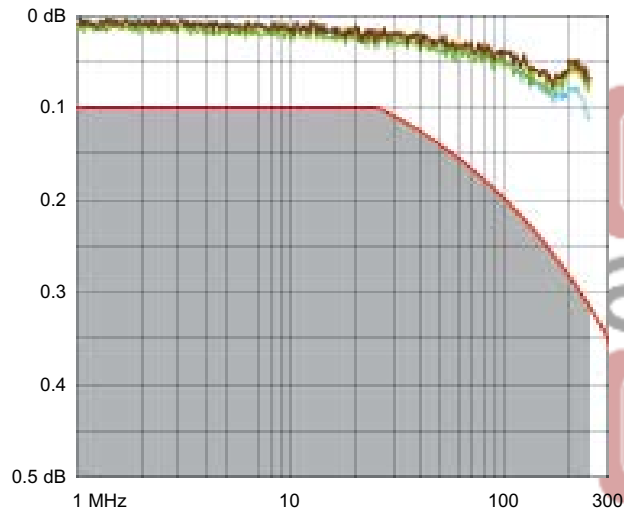
7. PERFORMANCE

7.1 Performance of components (RJ 45 connectors)

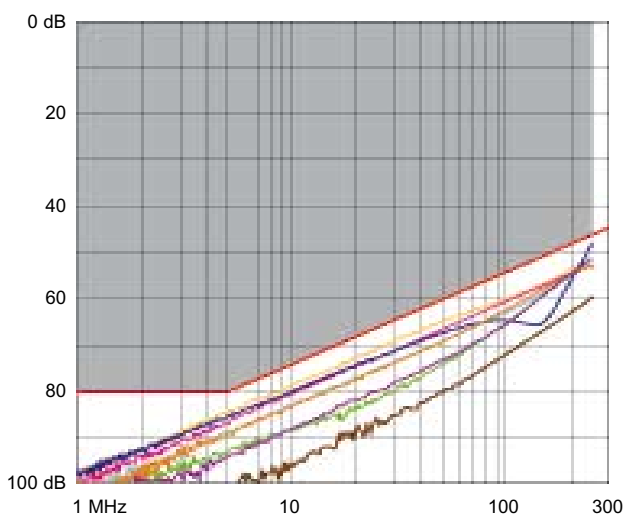
Return loss



Attenuation



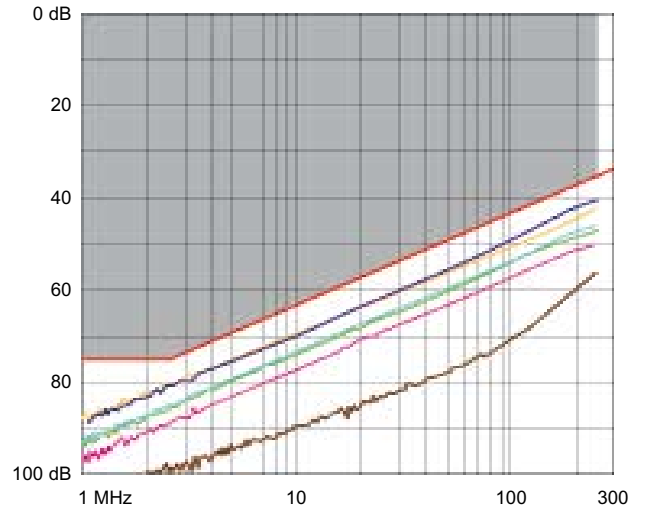
NEXT (Near end Crosstalk Attenuation)



7.1 PERFORMANCE (continued)

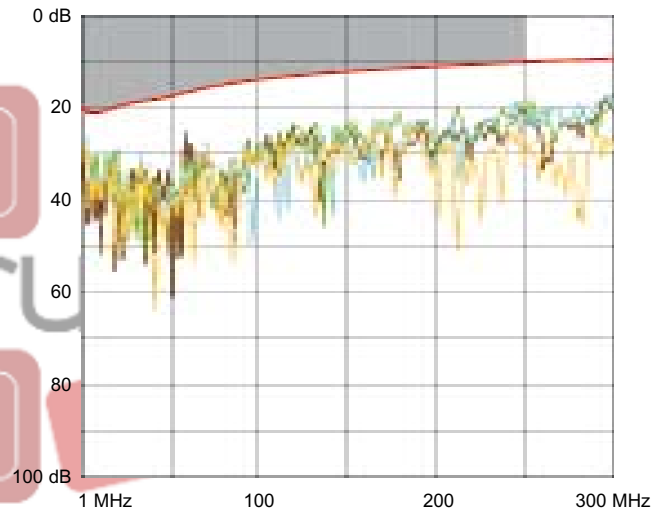
7.1 Performance of components (RJ 45 connectors) (continued)

FEXT (Far end Crosstalk Attenuation)

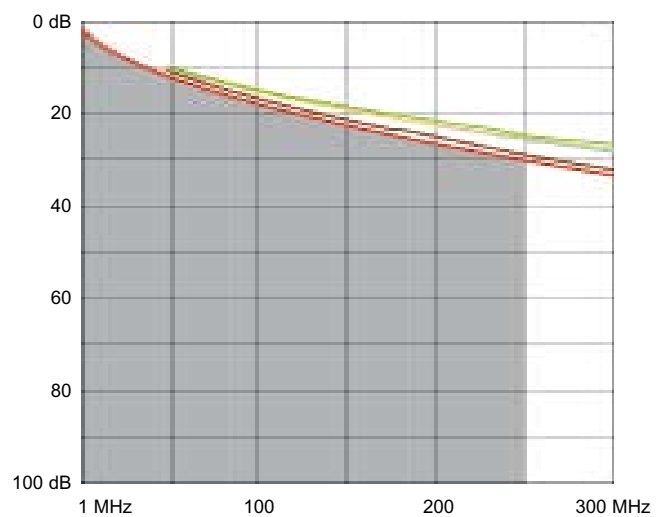


7.2 Performance of permanent link with F/UTP cable

Return loss

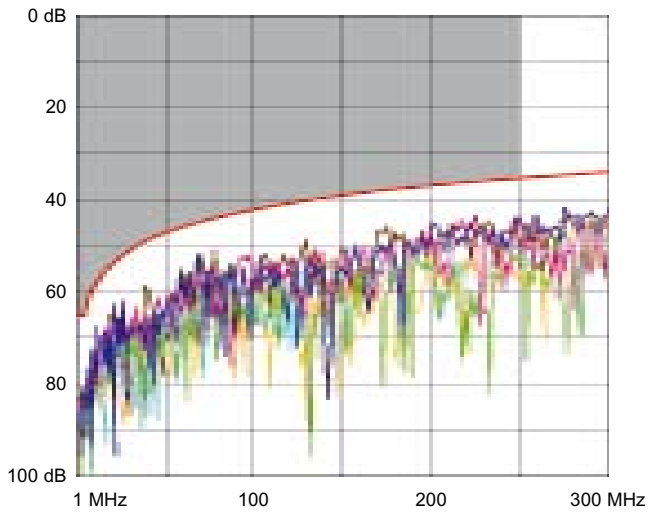


Attenuation

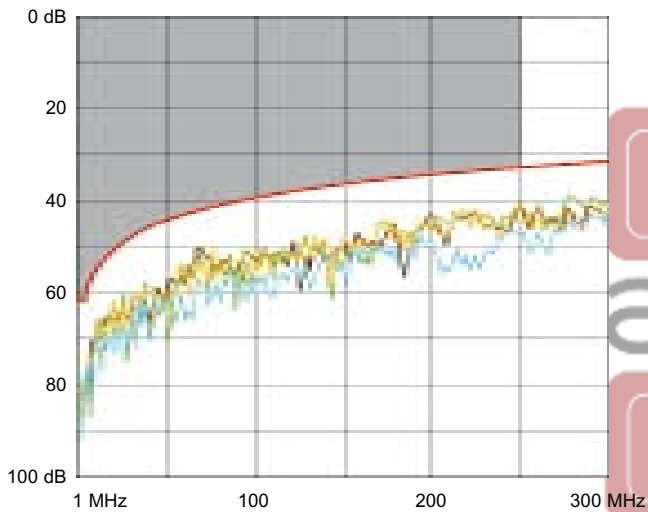


7. PERFORMANCE (continued)

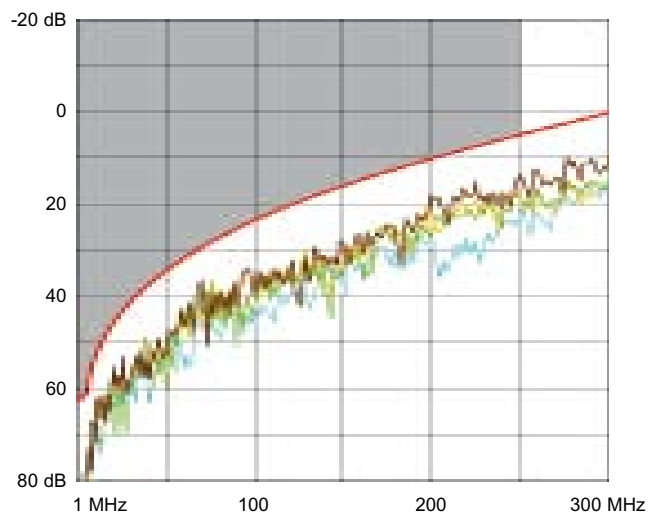
7.2 Performance of permanent link with F/UTP cable (continued)  
NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)

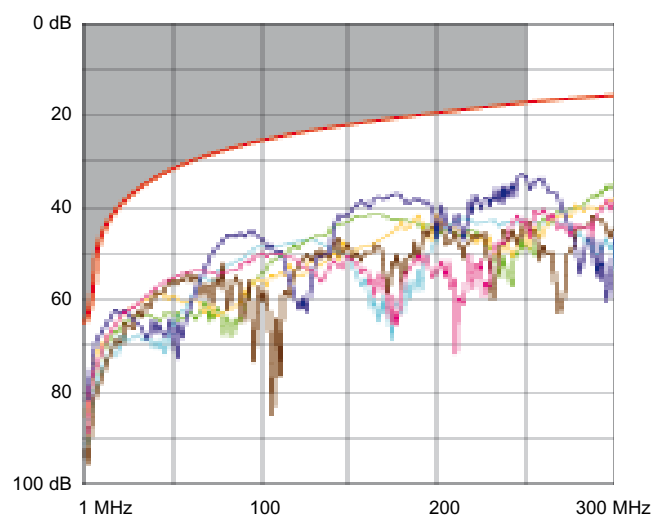


ACR (Attenuation to Crosstalk Ratio)



7. PERFORMANCE (continued)

7.2 Performance of permanent link with F/UTP cable (continued)  
ELFEXT (Equal Level Far End Crosstalk Attenuation)



Delay skew

