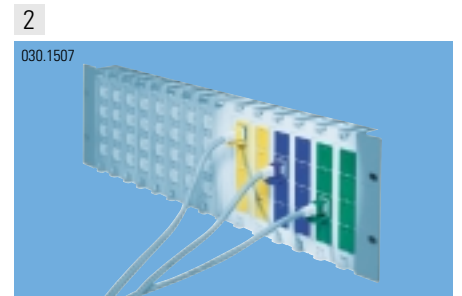
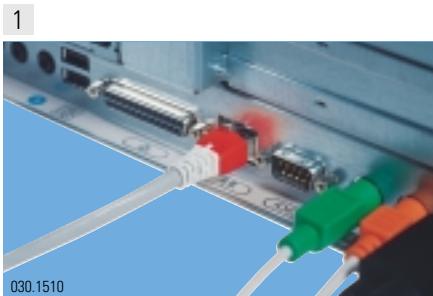


get **more**

010.2936

**More security
to the IT network**

- Protecting the electronic equipment from damage and interference
- Secured plug connections (authorised staff only)
- Authorised access to connection points
- Visual identification of the assigned network service
- Tool-free installation
- Modular, upgradeable design
- Applicable for Copper and fiber connections



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R&M's modular security system

Network security is rapidly gaining in importance, proving to become a deciding factor for the future of entire companies. Neutral studies prove that 70% of all network failures and crashes are due to faulty cabling infrastructure or erroneous manipulation of connecting cables. When evaluating the passive cabling system it is important to carefully check if security aspects are integrally supported and easily implemented. R&M is an expert in this field and offers manifold solutions with new, innovative and patented products.

Security Level 1: The optical colour coding supports correct connecting of the respective copper and fiber cables. The colour coding clips are easily attached to the connection cables and ports (outlets, patch panels).

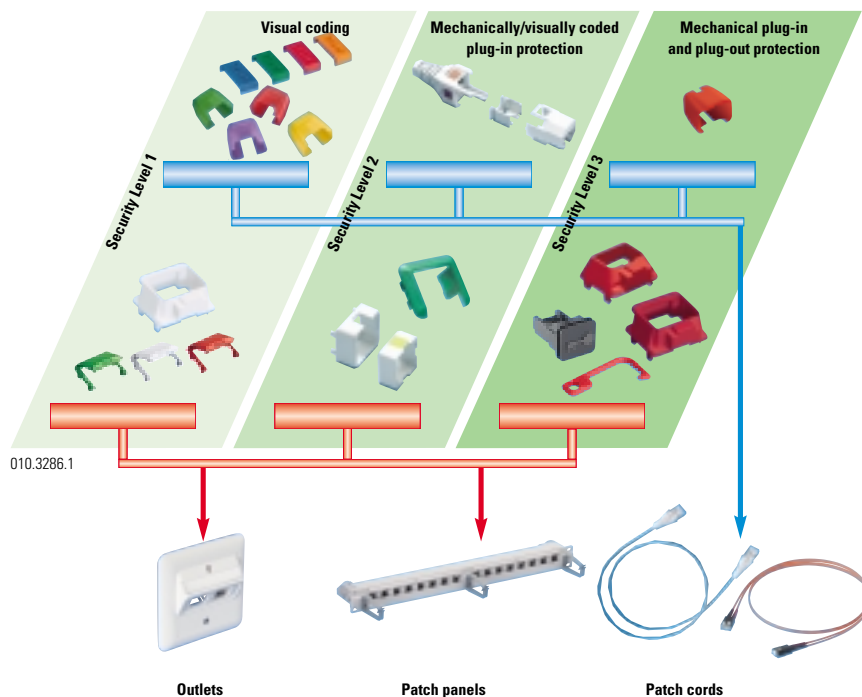
Security Level 2: The patented mechanical-visual coding ensures security on a mechanical level, effectively preventing any wrong connecting of a cable to a wrong port right from the start. The new plug reduction RJ45 to RJ11 prevents wrong connection of RJ45 plugs (data) into a RJ45 outlet which is defined as a telephone outlet (RJ11 plug).

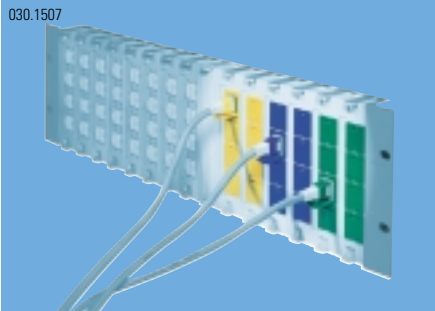
Security Level 3: This security level even adds a third dimension. The patented products guarantee secure network connections of the future. These connections can only be unplugged by trained and authorised people. Even an authorised access to a port can be realised.

Features

- Innovative products for three levels of security requirements
- Exchangeability thanks to R&M's modularity
- No tools needed to mount the security products
- All the products can be retrofitted to the R&M cabling system at a later stage

R&M's security system – modularity overview: tree structure of the different products





Security Level 1 (visual colour coding)

The optical colour coding supports correct connecting of the respective copper and fiber cables. The colour coding clips are easily attached to the connection cables and ports (outlets, patch panels). When applications are changed within the network, the positioned colour coding clips can be just as easily and tool-free replaced with different colours.

Fiber optic connection by SC-RJ, and coding with a Colour Clip. With SC-RJ patch cables, you can even assign two colours – one to indicate the fiber type, the other the application.



Features

- Easy, large and clearly visible identification of the corresponding network service
- Exchangeable and re-usable colour clips & hinged dust covers
- Designated field for labelling or logo
- Can be directly retrofitted (outlets and patch panels with R&M Smartholes)
- Tool-free mounting
- C-UL-US certified
- Halogen-free material

Ordering Information

Description

Packing Unit

Part Number



Hinged Dust Covers

Dust cover and colour coding in one product.
For outlets and patch panels.

Colour	Packing Unit	Part Number
Anthracite	10	R305685
Blue	10	R305686
Brown	10	R305687
Yellow	10	R305688
Grey	10	R305689
Green	10	R305690
Red	10	R305691
Violet	10	R305692
White	10	R305693



Coding Frame

Coding frame for SC-RJ outlets and patch panels.

12

R310216

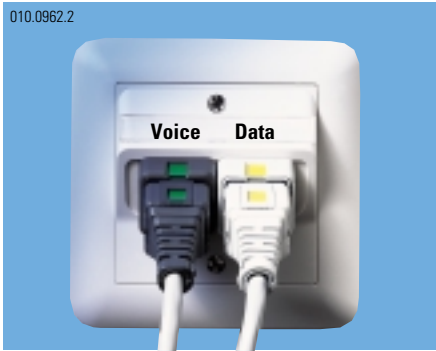
Colour Clip

Colour coding for SC-RJ patch cable, Fiber Guard and coding frame.

Colour	Packing Unit	Part Number
Anthracite	12	R310145
Blue	12	R310143
Orange	12	R310148
Yellow	12	R310142
Turquoise	12	R310146
Green	12	R310141
Red	12	R310144
Violet	12	R310147

Colour coding for RJ45 patch cords	Colour coding clips for Snap-In Adapter
010.1696 	010.1713
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010.0962.2



Data Safe Lock from R&M – RJ45 insertion protection with mechanical and visual coding.

Security Level 2 (mechanical-visual plug-in protection)

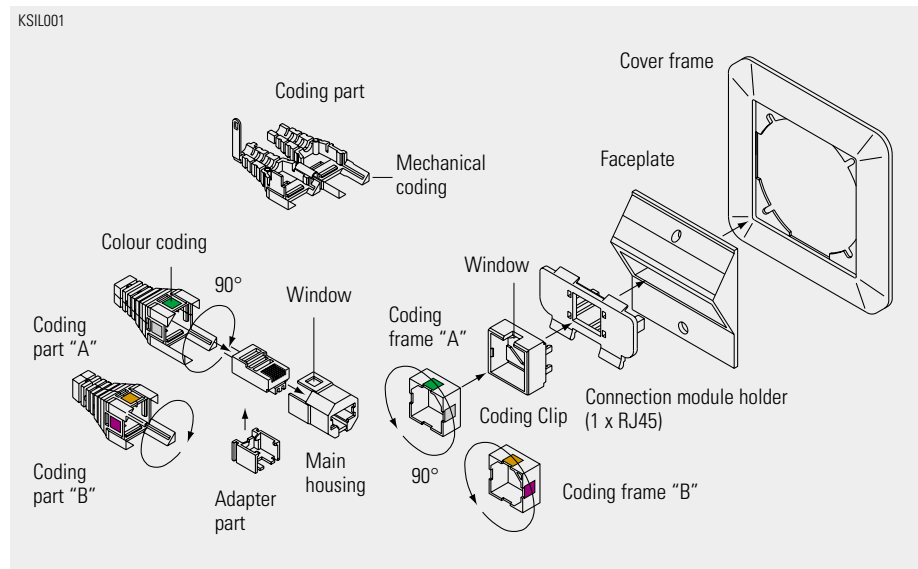
This patented mechanical-visual Date Safe Lock provides mechanical plug-in protection. Consequently, no cable is connected to a wrong connection point ever again. There are no more undefined states in the network and sensitive network cards are effectively protected. The erroneous connection of a Token Ring workstation to the port assigned to telephony is made impossible too.

The new plug reduction RJ45 to RJ11 prevents wrong connection of RJ45 plugs (data) into a RJ45 outlet which is defined as a telephone outlet (RJ11 plug). In addition it also protects and ensures proper connection of the RJ11/RJ12 plug into an RJ45 jack.

Features (Data Safe Lock)

- Protection against electronic damages or network malfunctions due to wrongly connected terminal devices
- Mechanical and optical coding options
- Eight coding possibilities
- Tool-free mounting onto connectors, patch panels, and outlets
- Later direct mounting also possible (to outlets and patch panels featuring R&M Smartholes)
- Strain relief for patch cords integrated
- C-UL-US certified
- Halogen-free material
- Patented

KSIL001



Later coding possible

Outlet: The coding frame of the outlet's coding is identified with a colour on each side. It is snapped onto the outlet together with the coding clip. A turning of the coding frame by 90° shifts the angled corners' position, the window showing a different colour with every turn. This means that the same coding allows four coding options. The colours can be freely assigned to any service.

Connector: The same principle applies to the coding of the fully assembled RJ45 connector. By snapping the coding part on and by turning it the window in the main housing shows the colours. The adapter part is only needed with certain connector types (DDK, AMP).

090.2087



Plug reduction RJ45 to RJ11/12

Features (Plug reduction RJ45 to RJ11/12)

- Fully compatible with R&M RJ45 modules
- Tool-free installation (R&M Smartholes not required)
- Colour code green (telephone applications)

Ordering Information	Description	Packing Unit	Part Number
<p>020.0974</p>  <p></p>	<p>Colour Coding "A" for RJ45 Connectors, anthracite Colour code: blue, red, green, anthracite. Kit comprises: coding part, adapter part, main housing.</p>	20	R25432
<p>020.0975</p>  <p></p>	<p>Colour Coding "A" for RJ45 Outlets, anthracite Colour code: blue, red, green, anthracite. Kit comprises: coding clip and coding frame.</p>	20	R25107
<p>020.0977</p>  <p></p>	<p>Colour Coding "B" for RJ45 Connectors, white Colour code: yellow, brown, violet, white. Kit comprises: coding part, adapter part, main housing.</p>	20	R25677
<p>020.0976</p>  <p></p>	<p>Colour Coding "B" for RJ45 Outlets, white Colour code: yellow, brown, violet, white. Kit comprises: coding clip and coding frame.</p>	20	R25676
<p>090.2042</p> 	<p>Plug reduction frame RJ45 to RJ11/12, green Plug reduction RJ45 to RJ11/RJ12 prevents wrong connection of RJ45 plugs (data) into a RJ45 outlet which is defined as a telephone outlet (RJ11 plug). Compatible with R&M RJ45 modules.</p>	10	R310835

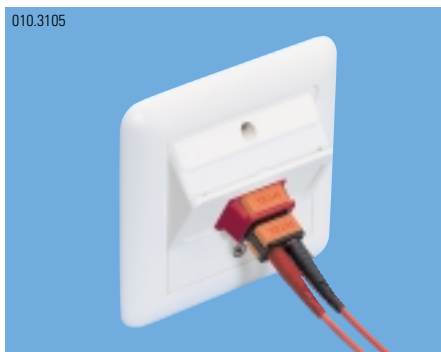
R&M Security System Security Level 3

010.2852



Patented Plug Guard – the connection is secure and can only be unplugged with the matching key.

010.3105



Fiber Guard – protects SC-RJ connections against disconnection, and also has a locking mechanism.

010.2853



Plugged on Jack Guard – impossible to plug in a RJ45 patch cord now.

030.1510



Patented Safe Clip – accidental unplugging of the copper connecting cable made impossible.

Security Level 3 (mechanical plug-in and plug-out protection)

These patented products guarantee to give fiber & copper network connections a secure future. A protective sleeve, the Plug Guard resp. the Fiber Guard, requires a special key to release the connection, so that a connecting cable simply cannot be inadvertently unplugged.

Security is further enhanced with R&M's Safe Clip, a special brightly coloured device that also rules out accidental disconnection. Thanks to the Safe Clip the RJ45 connecting cables are now also protected on active equipmentside. Once secured these connections can only be released by trained and authorised people. Any risk of data loss is quite simply erased. Even an authorised access to a port can be realised, with the Plug Guard insert (Jack Guard).

Features (Plug Guard/Fiber Guard)


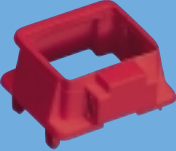


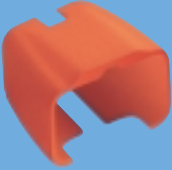
- Tool-free mounting onto outlets and patch panels
- Plug Guard available in 3 colours
- Fiber Guard ready for color coding with the matching color clips
- Later direct mounting also possible (to outlets and patch panels featuring R&M Smartholes)
- Connection can only be unplugged with the matching key
- C-UL-US certified
- Halogen-free material
- Patented

Features (Jack Guard)

- Tool-free mounting onto Plug Guard
- Can be mounted at a later point
- The port is protected from unauthorised access
- The Jack Guard can only be released with the matching key
- Halogen-free material
- C-UL-US certified

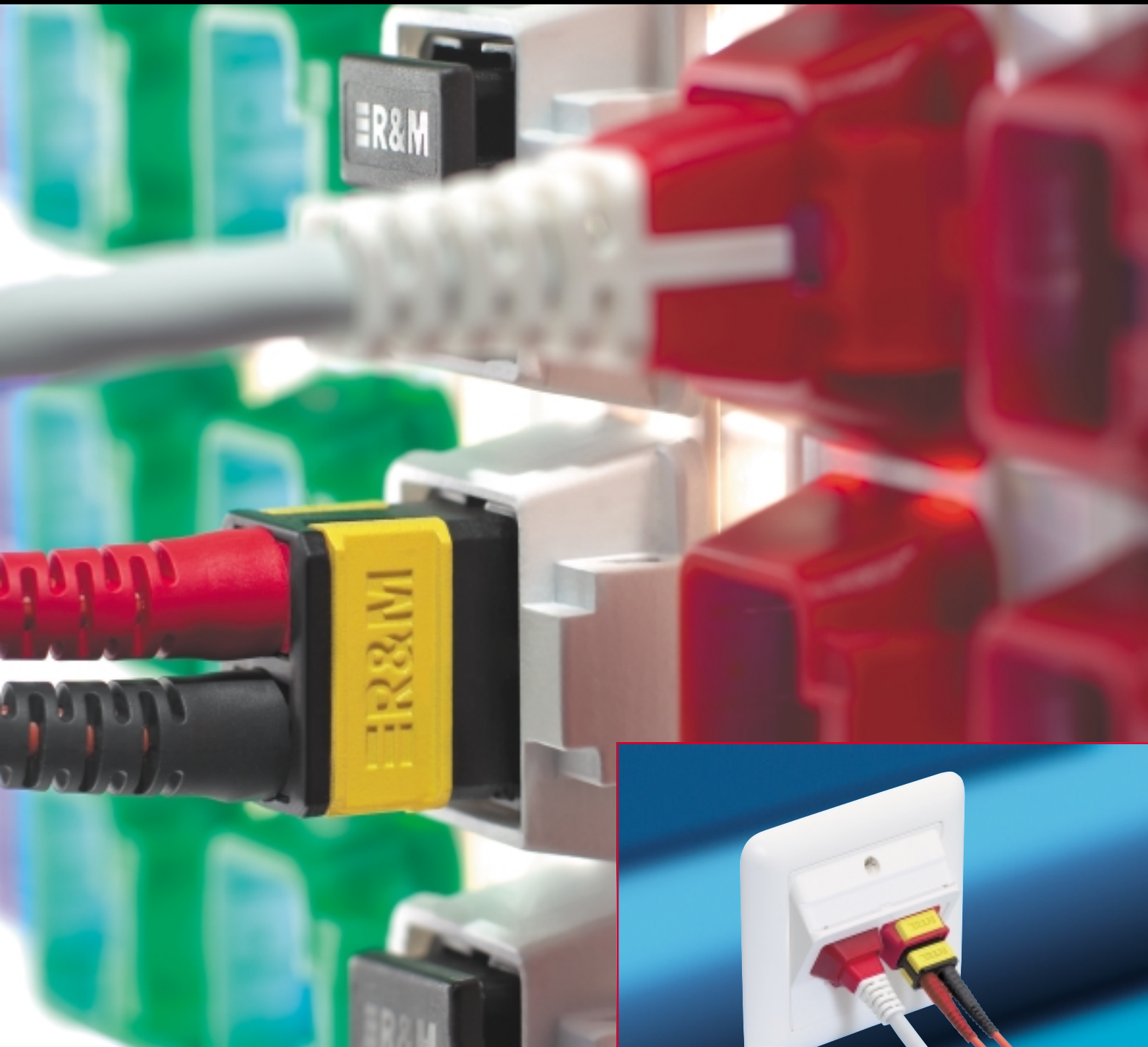
Features (Safe Clip)

- Tool-free mounting onto the RJ45 patch cord
- Later direct mounting also possible
- C-UL-US certified
- Halogen-free material
- Patented

Ordering Information	Description	Packing Unit	Part Number
<p>010.1880.1</p> 	<p>Plug Guard RJ45 Connection protection for outlets and patch panels (including 1 key per packing unit).</p> <p>Colour: green red white</p>	<p>20 20 20</p>	<p>R304825 R304826 R304827</p>
<p>010.3088</p> 	<p>Fiber Guard SC-RJ connection protection for outlets and patch panels (including 1 key per packing unit).</p>	<p>12</p>	<p>R310218</p>
<p>010.2289</p> 	<p>Jack Guard RJ45 insertion protection for outlets and patch panels, fits Plug Guard (including 1 key per packing unit).</p>	<p>20</p>	<p>R307199</p>
<p>010.3213</p> 	<p>Key for Plug Guard and Fiber Guard Key for Plug Guard and Fiber Guard. Can unlock Jack Guard and RJ45 & SC-RJ connections.</p>	<p>1</p>	<p>R304828</p>
<p>010.1910.1</p> 	<p>Safe Clip Lock for RJ45 patch cable. Protects connectors against inadvertent unplugging.</p>	<p>20</p>	<p>R304807</p>

R&M Security System

Secure connections for highly available LANs



More modularity, flexibility and compatibility. The security system from R&M prevents incorrect or unauthorised connection or disconnection, so boosting operational reliability and high availability for your LAN.