

Your added value

get more

- More performance and flexibility**
- Efficient rapid assembly technique
 - Tool-free field termination
 - Precise placement without overruns

- Added security**
- Logical, error-free handling thanks to color coding
 - Gastight enclosed contacts
 - High quality IDC termination

- Universal deployment**
- Structured cabling system
 - Industrial and building automation
 - Leisure, multimedia, home networks



INSTALLING A CONNECTOR HAS JUST BECOME EASIER

You can except more than just a standard solution from professional cabling providers. More features, more security and higher quality are what you deserve, and R&M's FM45 provides these bonuses, plus a great deal more. It has never been easier to install a multi-functional RJ45 connector yourself. With the FM45, the Swiss cabling specialist has developed a product that gives planners, installers and service technicians newly found freedom and unexpected benefits. Rapid assembly, handling, IDC contacts, the wide spectrum of supported cable – in other words, everything to boost efficiency and flexibility. A typical innovation from R&M, the number 1 for layer 1.

40 YEARS EXPERIENCE

As the number 1 for passive network infra-structures (layer 1) R&M can look back on 40 years experience in cabling and distribution technology. The technological state-of-the-art, modular copper and fiber optic cabling systems can handle any infrastructure task presented by industry, data processing centers, offices, public installations, apartments or outdoor applications. First class references from Europe, the Middle East and the Asia Pacific region confirm the excellent performance, security and standard conformity of R&M's solutions.

UNCOMPROMISING QUALITY

For demanding data networks only the best is good enough. As an independent, Swiss family enterprise, R&M follows an uncompromising policy where quality, production and global logistics are involved, so that the performance of R&M's solutions greatly exceeds the requirements of the relevant standards. Similarly, ease of handling, secure, rapid assembly techniques and optimal value for money make these solutions convincing. A lifetime application warranty underlines the fact that R&M's solutions are reliable and forward-looking. Within the framework of the Qualified Partner Program (QPP), planners, system integrators, installers and users can take advantage of

24-hour support and ongoing expertise in terms of planning, implementation and the operation of networks. Competent R&M experts are never far away. As a strong provider of innovative solutions and as a flexible and longstanding partner, R&M is also the company to turn to for fiber optic cabling projects.

CUSTOMIZED SOLUTION

The modular principle of R&M's solutions supports tailor-made installation and upgrading, and enables copper and fiber optic cabling to be combined on R&M platforms. The long-term protection of your investment is not forgotten either. The cabling and distribution technology, which has been tried and tested a million times over in conjunction with R&M's security system, guarantees the high availability that is demanded. Moreover, protection solutions up to class IP67 are available. Robust field assembly solutions reduce the planning and installation effort and increase the flexibility in construction or renovation processes. At the same time, R&M offers complete pre-assembled, tested and tool-free solutions that make cabling activities much faster and more affordable – with increased security.

www.rdm.com

FM45 – always suitable

090.3248



Simply fast

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More cabling freedom

FM45 – One for all

The applications

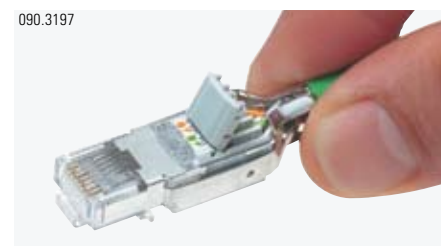
Innovation in RJ45 format

FM45 is the tool-free, field-assembled, 8-conductor Cat. 5e RJ45 plug with IDC (insulation displacement contact) technology. It connects everything: copper cable ≤ 8 mm, shielded, unshielded, solid wire or stranded cables, AWG 26...22.



Connecting with a click

Remove cable sheath. Insert the wires according to the color code into wiring block – without stripping. Press the cover tight to ensure the conductors make contact. Slide the housing in place. Tighten the coupling nut and the connection is complete.



Guaranteed contact

You can rely on R&M's industrial IDC termination. Resilient, tin-plated IDC contacts grip firmly and provide long-lasting protection of the wires. All contacts are protected against dust, vibration and corrosion.



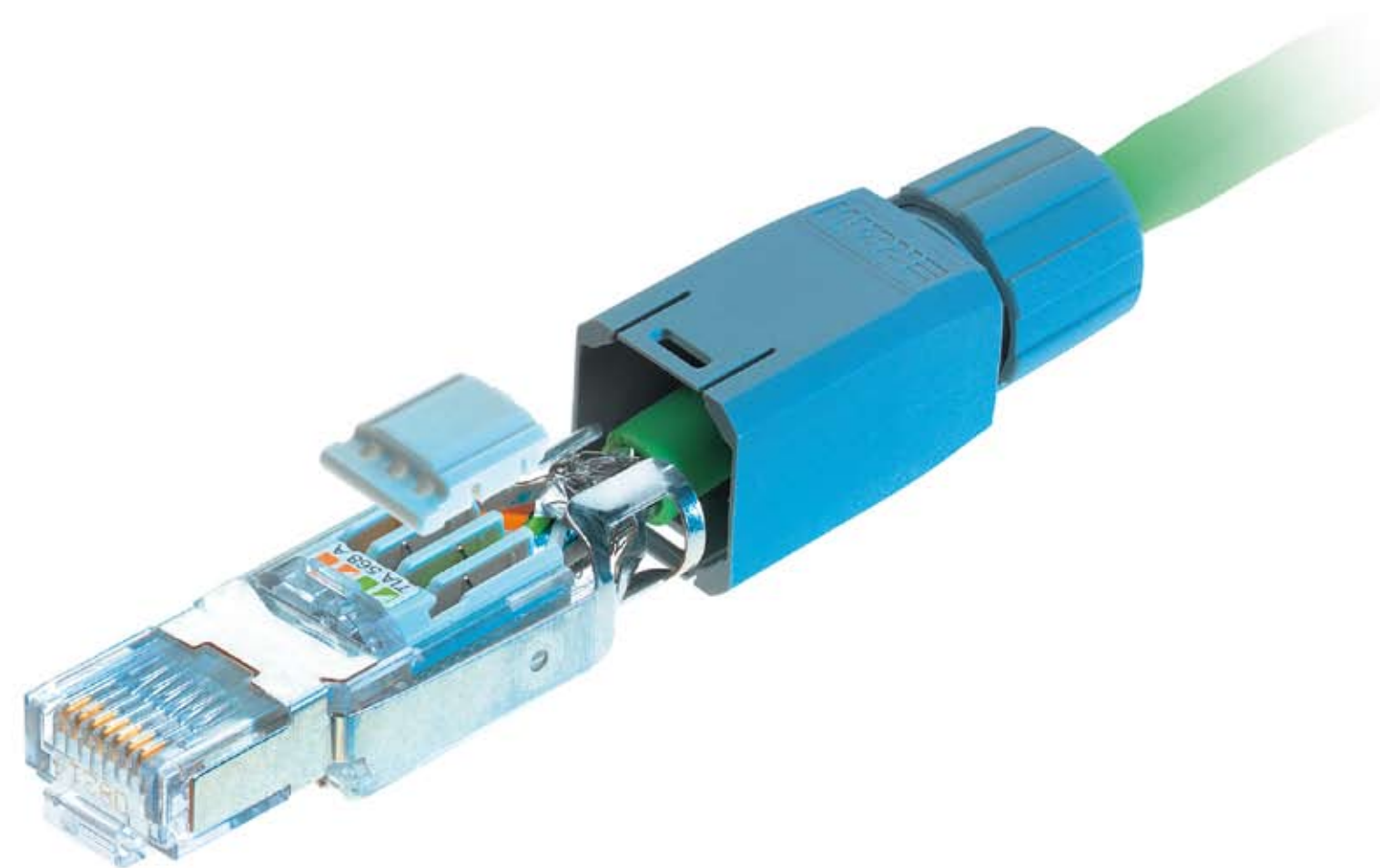
Installation with benefits

Need to modify or repair cabling? The FM45 can be assembled immediately exactly where it is needed. No more preparatory work or excess cable! You gain freedom and save time, space and money.



Multi-functional applications

Expand distributors, integrate new machines or connect webcams to the LAN. The FM45 can be used anywhere – as standard for IP20 protection level upgradable to IP67 with color coding for greater security.



FM45 in harsh environments

More freedom with cabling – this is what the industry needs. The FM45 provides unlimited flexibility. Place the connector where it fits best; and make the connection directly. Avoid excess cable. Integrate WLAN antennae and IP cameras into the network with the shortest possible cable lengths. Repair defective cables in minutes. A uniform connector system from management level down to field level – the FM45 supports it all! As an IP67 version with a robust round sleeve it ensures the best connection in harsh industrial Ethernet and Ethernet-based field bus environments. Its IDC contact guarantees gastight closed contacts – optimal for aggressive production environments that are exposed to vibration, dust and moisture.



In offices and buildings

In structured building and office cabling or in data processing centers, planners, installers, network professionals and facility managers all gain additional freedom to implement individual and customer specific cabling solutions. With an FM45 in their hand they are able to respond to every challenge flexibly and without delay. Simply cut the cable, connect the FM45, and the link is finished. This enables a backbone or workstation to be upgraded or converted efficiently and without extensive preparations. New active components or peripheral devices can be connected on an ad hoc basis as quickly as possible and without the need for special tools. The FM45 provides Gigabit Ethernet performance wherever it is required.



For intelligent living

Today, the trend is towards intelligent living. A smart and intelligent multimedia residential landscape, however, can only function with a high performance and integrated network. Generic, structured cabling based on ISO/IEC 15018 and EN 50173-4 forms the backbone. Space in apartments is often very limited, and yet private owners expect efficient, affordable and reliable infrastructures. The connector is thus ideally used in communication distributors – saving space, while connecting the home network with active components such as a modem, router, switch, DSL port or WLAN antenna.

