

## Your added value

www.rdm.com

BEP ECOline SCM

## get more

### More flexibility

- versatile, functional box
- modular platform
- individually configurable
- upgradeable at any time

### More efficiency

- high packing density
- quick assembly
- convenient maintenance
- multiple applications

### More security

- rugged housing
- sealable cover
- simple management
- 40-mm bending radius



### HIGH PACKING DENSITY FOR FTTH

Fiber To The Home (FTTH) opens up new, attractive opportunities on the apartment market. A connection pays off if you can install a large volume of fiber optic cables quickly in little space and at a good price. The solution: building entry points from R&M. The BEP ECOline SCM features a cost-effective high packing density – a compact basis for FTTH connections for as many as 48 residential units. In combination with the Single Circuit Management (SCM) system from R&M, it constitutes the key interface for an efficient and profitable supply of broadband services. Flexible configuration options make the box compatible with all typical applications and topologies.

### FUNCTIONAL SOLUTION

Wherever FTTH spreads, a large volume of fiber optic cables must often be accommodated. The solution: compact building entry points with high packing densities and extensive functionality such as the BEP ECOline SCM from R&M.

It connects as many as 576 fiber optic cables in the smallest possible space. The box is only 30 cm wide and 21 cm high. Even so, the entire fiber and subscriber management fit inside. In addition, two fiber optic adapters can be built in – an option for future smart metering applications.

The box supports typical topologies such as P2P, P2MP and PON, as well as blow-in cabling, loose tube cables and subscriber cables. In this way, network operators remain independent and flexible. The platform can be upgraded at any time so that the initial investment can be calculated on a tight budget and further upgrades can be planned in an organized manner.

### LONG-TERM POTENTIAL

R&M places great value on low-stress fiber management with a 40-mm radius. Even at full capacity, the SCM system fulfills this requirement at the building entry point. This feature is absolutely unique

on the market. Another important point is that the 40-mm bending radius, with its favorable attenuation characteristics, offers the performance required for future applications.

Labeling and coding features on the SCM trays ensure long-term security and protection of your capital investment. The fiber-glass-reinforced sealed housing lasts for decades and, together with sealing inserts, ensures that it fills the requirements of protection class IP54 and IP65.

### FOR THE HIGHEST QUALITY

For challenging broadband networks, only the very best will do. The passive infrastructure – Layer 1 – must be absolutely reliable. Quality without any compromises, rugged and lightweight design, easy handling, efficient and convenient assembly – these are the minimum requirements needed to ensure 100% availability. The contribution to improved productivity must be clearly discernable. All these points were key during the development of the building entry solutions from R&M.

Benefit from the added value afforded by high-quality R&M products. Take advantage of the benefits of this modular concept and place your trust in our experience.

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Economical

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# The compact basis for FTTH

# Connect buildings with ease

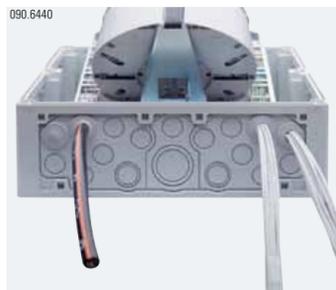
**One box – contains everything**  
Fiber To The Home now fits in every home – thanks to the compact, cost-effective BEP ECOline SCM used as a building entry point and the modular SCM Single Circuit Management system from R&M. Three different splice-through cable boxes offer space for complete subscriber management with 24, 36 or 48 SC trays or for up to 576 fiber optic connections.



**Configuration – any way you like**  
The SCM system supports any number of configurations. Color codes, numbers and labels make each fiber and each tray uniquely identifiable. Furthermore, receptacles for two fiber optic adapters are built in – suitable for LC duplex, SC or E-2000™ \*. This allows the future integration of special applications such as smart metering or intelligent remote control of energy consumption.



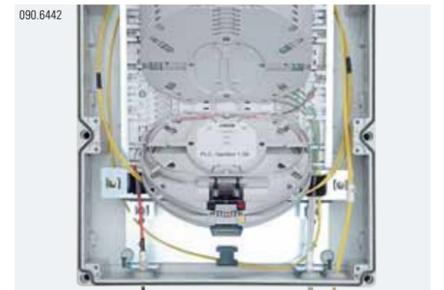
**Assembly – flexible**  
There's a solution for every location thanks to a wide selection of cable glands, seals and M screw connections of protection class IP54 or IP65. The fiberglass-reinforced housing also meets the requirements of IP65 and withstands the most rugged environments. It can be sealed as needed.



**Little expense – enormous impact**  
FTTH is successful when the last few meters to the subscriber are set up as efficiently as possible and at little expense. A crucial hurdle is the building entry point. R&M's solution: BEP ECOline SCM, equipped with the Single Circuit Management (SCM) system. A cost-effective housing, a clever quick-assembly scheme, high packing density and a distribution platform that is easy to install and operate – together, these factors make a very impressive combination. With it, network operators can achieve an optimal cost/benefit ratio. The product range consists of three sizes for 24, 36 and 48 residential units. Just as many ports for SCM trays are available and accept up to 288, 432 or 576 splice connections.



**Efficient – security in the future**  
The SCM system's tray scheme allows easy access to all fibers, unambiguous selection of the subscriber and efficient splice-through connections with shrink-fit or crimp technology. An SC tray – equipped with up to 6 or 12 fibers – is the unit for each subscriber, apartment or floor. The SE tray even accepts 24 fibers – future reserves for entire residential blocks. Typical topologies such as P2P and P2MP are supported because splitters of any size up to a splitting ratio of 1:32 can also be integrated in no time. A crucial factor for highest performance and ease of installation is the continuously guaranteed 40-mm bending radius with its favorable attenuation characteristics.



**Versatile – upgradeable**  
The application areas of the BEP ECOline SCM extend far beyond the supply of broadband FTTH services. As a fiber optic distribution platform, it is just as well suited for setting up local data networks as for the integration of smart metering. Areas of application include industrial systems, studios, hotels, banks, offices and commercial properties. The BEP ECOline SCM is among the most compact floor distributors for structured building cabling. The unit is especially noteworthy because of its potential for uncomplicated upgrades. The box is compatible with blow-in applications and all known types of cable. The SCM system supports simple fiber changeover in order to implement various applications in no time at all.



\* E-2000™ manufactured with a license from Diamond SA, Losone, Switzerland

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