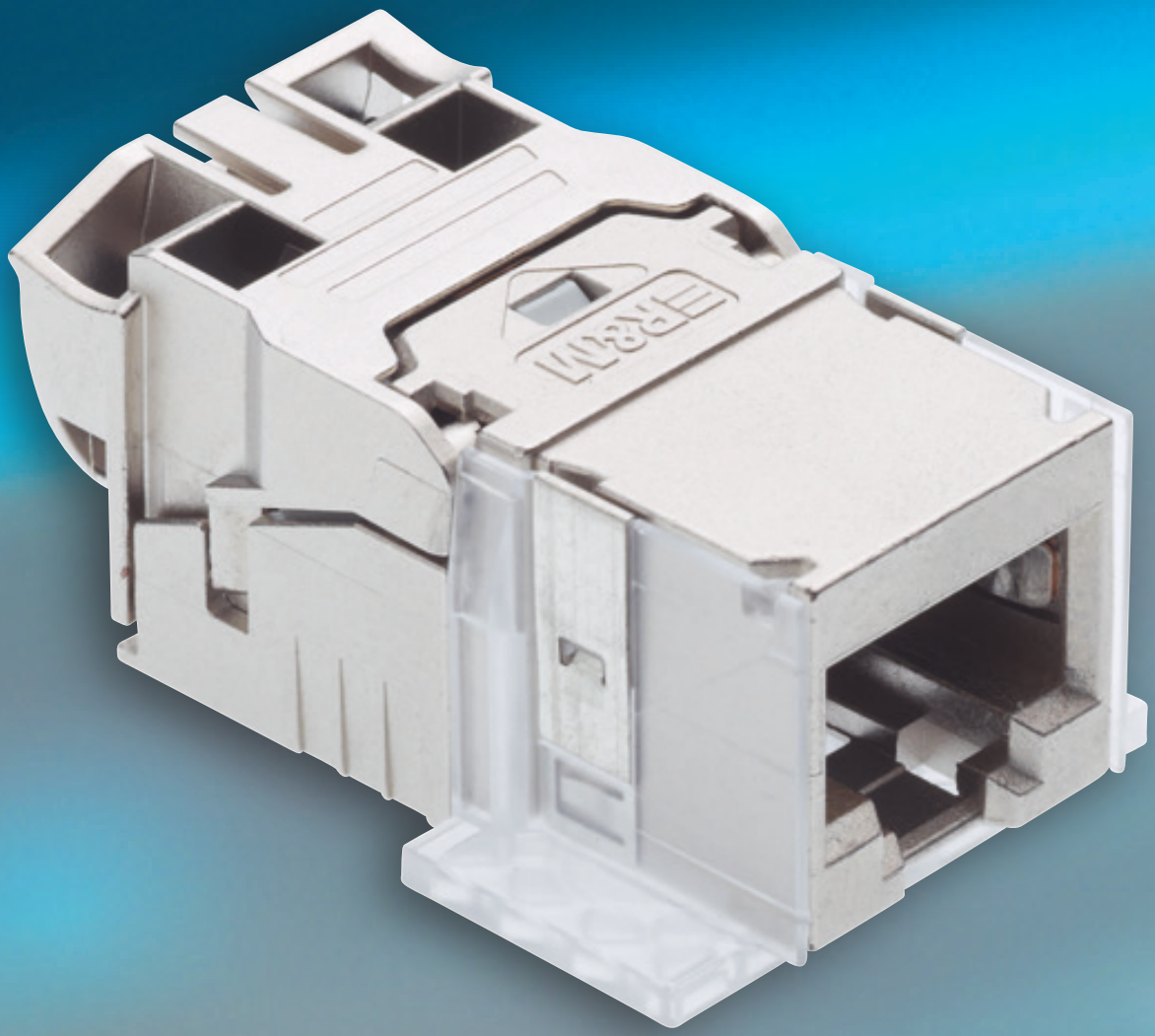
Quickreference:
Cat.6_A EL / Class E_A shielded

Horizontal floor cabling subsystem
with shielded twisted pair technology



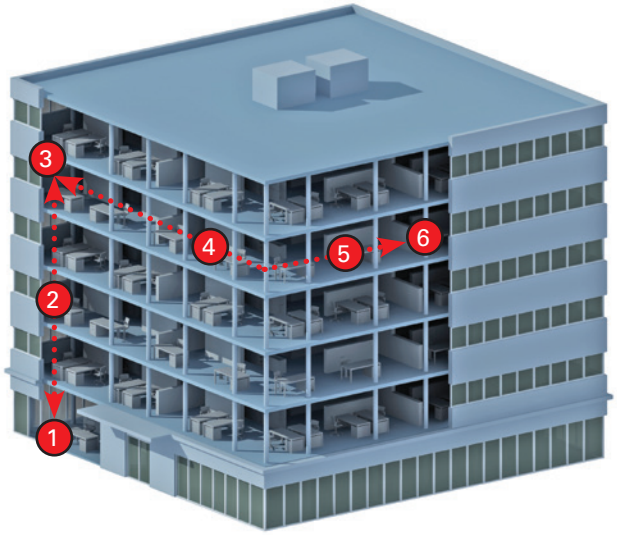
Version: December 2015

R&M

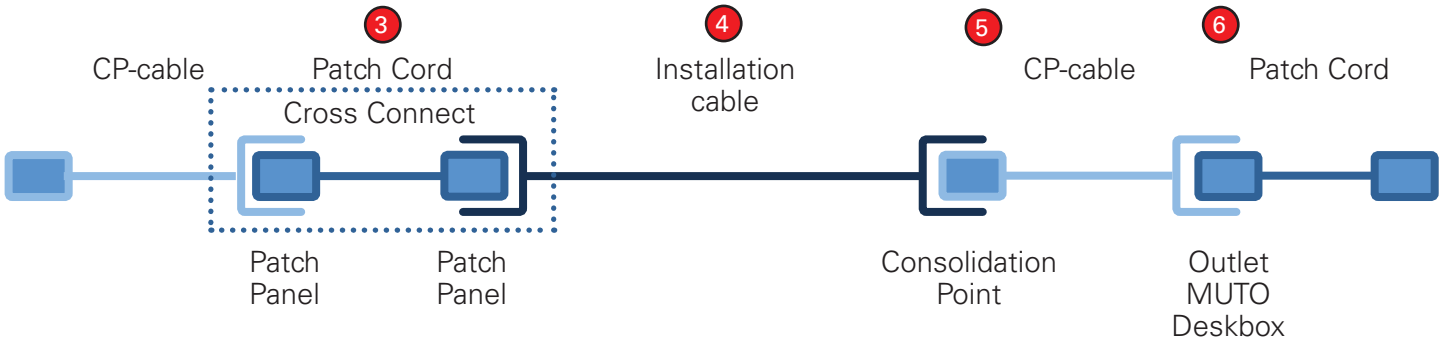
Convincing cabling solutions

SYSTEM OVERVIEW

The shielded Cat.6$_A$ / Class E$_A$ product line with especially userfriendly „Easy Lock“ termination is intended for generic cabling systems for applications up to 10 GBit/s with normal requirements and improved protection against external disturbances (EMC). It is best suited for large-sized installations with high data volume.



1: Building distributor
2: Backbone cabling
3: Floor distributor
4: Horizontal cabling
5: Consolidation Point
6: Terminal outlet



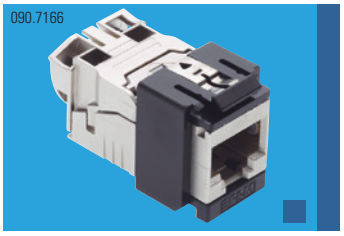
Cabling Structure	Generic cabling system with up to 4 connectors
Channel Performance	Class E$_A$ acc. ISO/IEC 11801 / EN 50173
PL Performance	Class E$_A$ acc. ISO/IEC 11801 / EN 50173
Connectivity	RJ45 Cat.6$_A$ EL/s acc. IEC 60603-7-51

Certificates from independent test institutes	Yes
1G Ethernet Support	Yes
10G Ethernet Support	Yes
40G / 100G Ethernet Support	No
High Density Support	No
Garantie System	25 Years

RJ45 MODULE

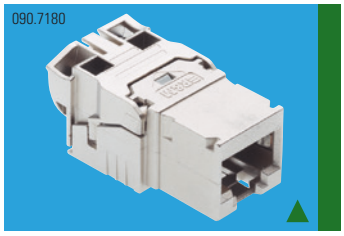
Connection Module Cat.6$_A$ EL, 1xRJ45/s

R813504	**10x**
R813505	**100x**



Connection Module Cat.6$_A$ EL, 1xRJ45/u, Snap-in, black,

R813516	**10x**
R813516	**100x**

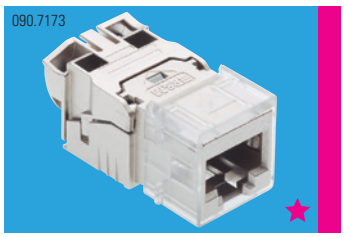


Connection Module Cat.6$_A$ EL, 1xRJ45/s, Special

R813508	**10x**
R813509	**100x**

Connection Module Cat.6$_A$ EL, 1xRJ45/s, Keystone

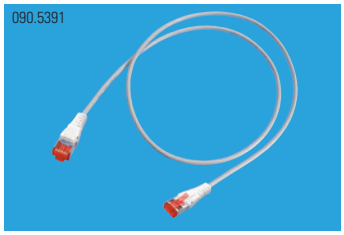
R813512	**10x**
R813512	**100x**



Connection Module Cat.6$_A$ EL, 1xRJ45/s, adapter No.1

R813520	**10x**

PATCHCORDS



Patch Cord Cat.6$_A$ EL, S/FTP, 4P, LSFRZH, gray, RJ45/s-RJ45/s

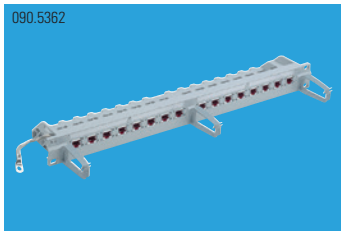
R509857	**0.5m**
R509858	**1.0m**
R509860	**1.5m**
R509861	**2.0m**
R509862	**3.0m**
R509863	**5.0m**
R509864	**7.5m**
R509865	**10.0m**
R509866	**12.5m**
R509867	**15.0m**
R509868	**20.0m**

Module compatibility reference:

- Cat.6$_A$ EL, 1xRJ45/s
- Cat.6$_A$ EL, 1xRJ45/s, Snap-in
- Cat.6$_A$ EL, 1xRJ45/s, Special
- Cat.6$_A$ EL, 1xRJ45/s, Keystone
- Cat.6$_A$ EL, 1xRJ45/s, adapter No.1

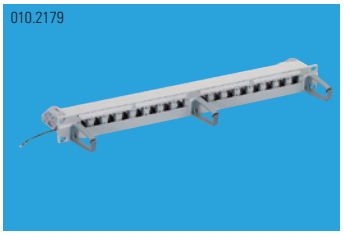
for more information, see the R&M catalogue, www.rdm.com

19" PANELS



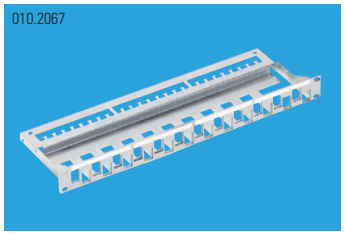
19" 1U Patch Panel 16xRJ45/s, Cat.6$_A$ EL, fully populated

R509857



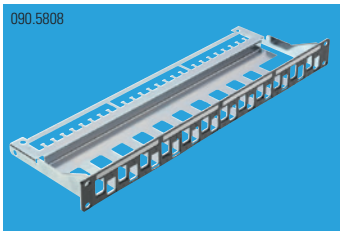
19" 1U Patch Panel 16-Port/s, empty

● **R305889**



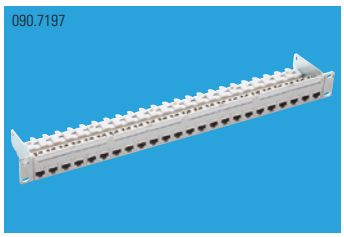
19" 1U ST Patch Panel 24-Port, gray, empty

■ **R305119**



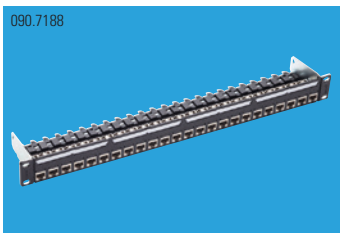
19" 1U ST Patch Panel 24-Port, black, empty

■ **R511996**



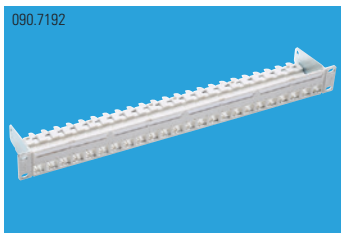
19" 1U PC Patch Panel 24xRJ45/s, Cat.6$_A$ EL, gray, fully populated

R813489



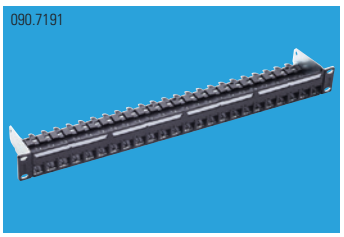
19" 1U PC Patch Panel 24xRJ45/s, Cat.6$_A$ EL, black, fully populated

R813487



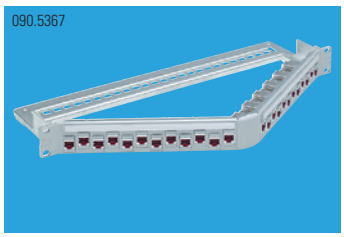
19" 1U PC Patch Panel 24-Port /s, gray, empty

▲ **R813485**



19" 1U PC Patch Panel 24-Port /s, black, empty

▲ **R813483**

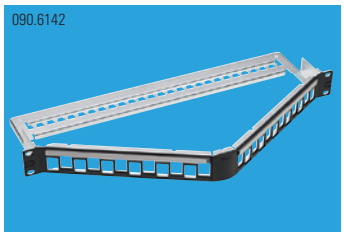


19" 1U Angled Patch Panel 24xRJ45/s, Cat.6$_A$ EL, gray, fully populated

R813528

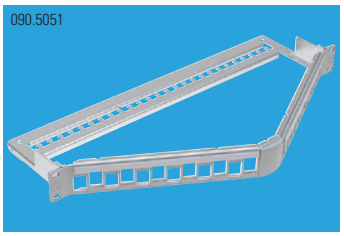
19" 1U Angled Patch Panel 24xRJ45/s, Cat.6$_A$ EL, black, fully populated

R813531



19" 1U Angled Patch Panel 24-Port, black, empty

■ **R511997**



19" 1U Angled Patch Panel 24-Port, gray, empty

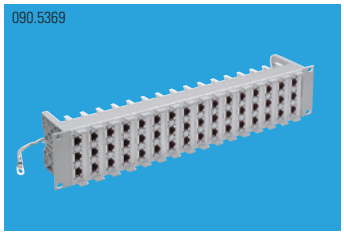
■ **R506796**

Module compatibility reference:

- ● Cat.6$_A$ EL, 1xRJ45/s
- ■ Cat.6$_A$ EL, 1xRJ45/s, Snap-in
- ▲ Cat.6$_A$ EL, 1xRJ45/s, Special
- ◆ Cat.6$_A$ EL, 1xRJ45/s, Keystone
- ★ Cat.6$_A$ EL, 1xRJ45/s, adapter No.1

i for more information, see the R&M catalogue, www.rdm.com

19" PANELS

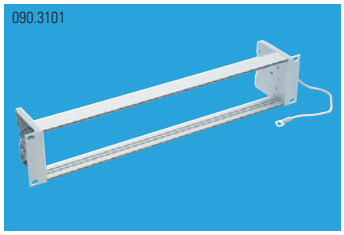


19" 2U Global Patch Panel 48xRJ45/s, Cat.6A EL, fully populated

R813533

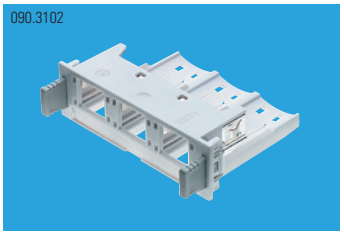
19" 1U HD Basic Patch Panel 24xRJ45/s, Cat.6$_A$ ISO, black, fully populated

R512729



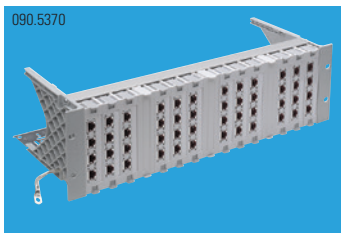
19" 2U Global Patch Panel 48-Port/s, empty

R503806



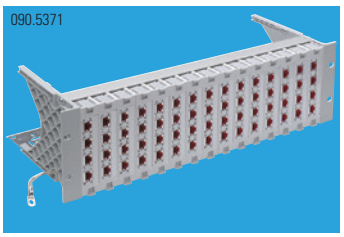
Connection Module Holder 2U Global/s

● **R503813**



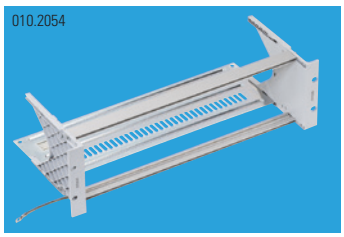
19" 3U Global Patch Panel 48xRJ45/s, Cat.6$_A$ EL, partly populated

R813537



19" 3U Global Patch Panel 60xRJ45/s, Cat.6$_A$ EL, fully populated

R813535



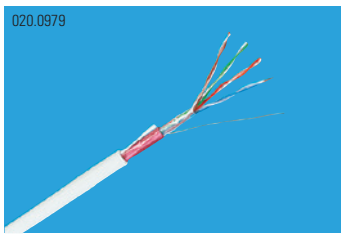
19" 3U Global Patch Panel 60-Port/s, empty

R35408

Connection Module Holder 3U Global/s, 1 GU

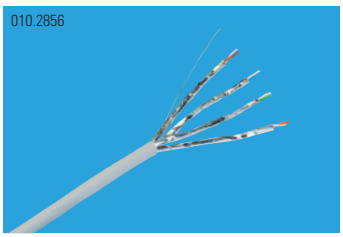
● **R35402**

INSTALLATION CABLES



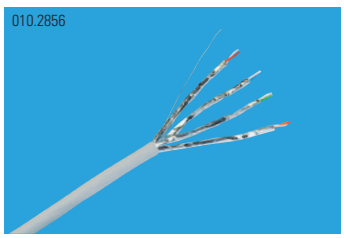
Installation Cable Cat.6$_A$, F/UTP, 4P, 500 MHz, LSZH, 500 m

R806969



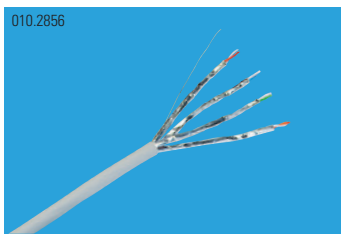
Installation Cable Real10 Cat.6$_A$, U/FTP, 4P, 650 MHz, LSZH, 500 m

R308247



Siamese Cable Cat.6$_A$, U/FTP, 2x4P, 650 MHz, LSZH, 500 m

R309652



Installation Cable Real10 Cat.6A, U/FTP, 4P, 650 MHz, LSFRZH, 500 m

R813847

Module compatibility reference:

● Cat.6$_A$ EL, 1xRJ45/s
■ Cat.6$_A$ EL, 1xRJ45/s, Snap-in
▲ Cat.6$_A$ EL, 1xRJ45/s, Special
◆ Cat.6$_A$ EL, 1xRJ45/s, Keystone
★ Cat.6$_A$ EL, 1xRJ45/s, adapter No.1

i for more information, see the R&M catalogue, www.rdm.com

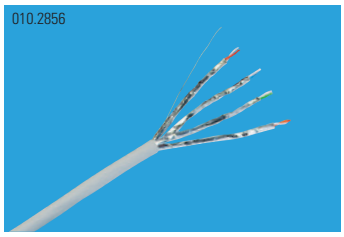
INSTALLATION CABLES

Installation Cable Real10 Cat.6$_A$, S/FTP, 4P, 650 MHz, LSZH, 500 m

R305649

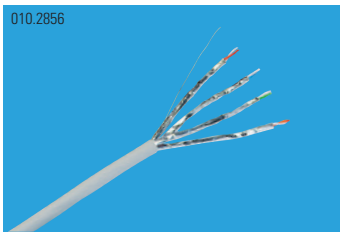
Installation Cable Real10 Cat.6$_A$,S/FTP, 4P, 650 MHz, LSFRZH, 500 m

R310488



Installation Cable Cat.7, F/FTP, 4P, 650 MHz, LSZH, 500 m

R320249



Siamese Cable Cat.7, F/FTP, 2x4P, 650 MHz, LSZH, 500 m

R509856

Installation Cable Cat.7, S/FTP, 4P, 1000 MHz, LSZH, 500 m

R35257

Siamese Cable Cat.7, S/FTP, 2x4P, 1000 MHz, LSZH, 500 m

R35258

Installation Cable Cat.7, S/FTP, 4P, 1000 MHz, LSFRZH,

R809799 500m
R809801 1000m

Installation Cable Cat.7, S/FTP, 4P, 1000 MHz, LSFRZH, CA+, 500 m

R35060

Siamese Cable Cat.7, S/FTP, 2x4P, 1000 MHz, LSFRZH, CA+, 500 m

R35061

Installation Cable Real10 Cat.7A, S/FTP, 4P, 1200 MHz, AWG23, LSZH,

R809800 500m
R809802 1000m

Installation Cable Cat.7A, S/FTP, 4P, 1200 MHz, AWG23, LSFRZH, 500 m

R319522

Installation Cable Cat.7A, S/FTP, 4P, 1200 MHz, AWG22, LSFRZH, 500 m

R306257

Installation Cable Cat.7A, S/FTP, 4P, 1500 MHz, AWG22, LSFRZH, 500 m

R507032

Module compatibility reference:

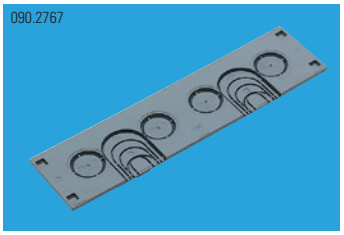
- Cat.6$_A$ EL, 1xRJ45/s
- Cat.6$_A$ EL, 1xRJ45/s, Snap-in
- Cat.6$_A$ EL, 1xRJ45/s, Special
- Cat.6$_A$ EL, 1xRJ45/s, Keystone
- Cat.6$_A$ EL, 1xRJ45/s, adapter No.1

i for more information, see the R&M catalogue, www.rdm.com

CONSOLIDATION POINTS

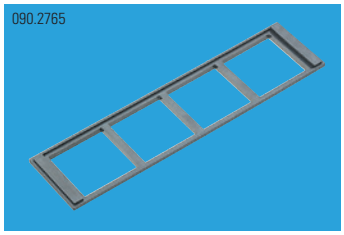
U-Box Housing, empty

R450551



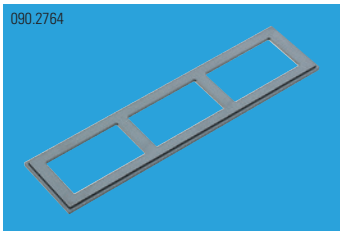
U-Box Faceplate Cable Entry

R450606



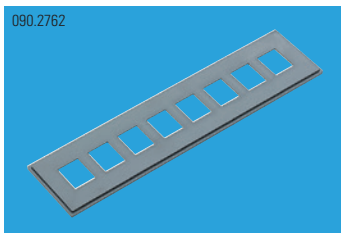
U-Box Faceplate 4x45x45

R450600



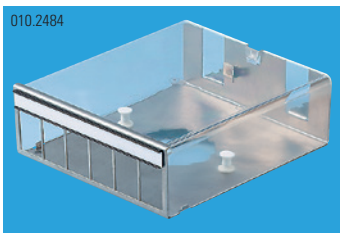
U-Box Faceplate 3xFLF

R450601



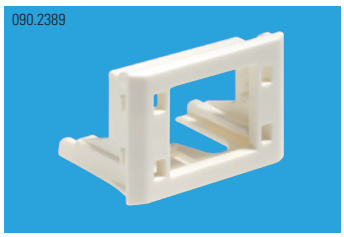
U-Box Faceplate 8xRJ45 Snap-in

R450602



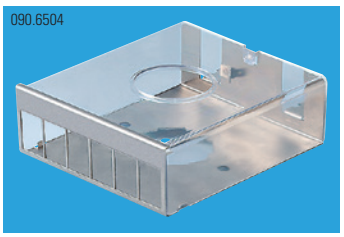
FB COMBIbox 6xRJ45, empty

R450650



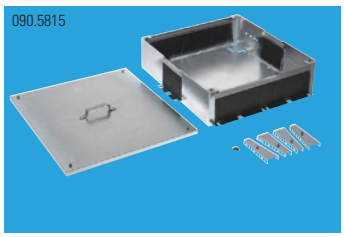
Module Holder RJ45 / E-2000™-Compact / SC-RJ / Universal Adapter, white

R307832



INTERbox 6xRJ45, empty

R307818



Raised Floor Box, metal, 179.5x550x580 mm

R512692

Module compatibility reference:

- Cat.6$_A$ EL, 1xRJ45/s
- Cat.6$_A$ EL, 1xRJ45/s, Snap-in
- Cat.6$_A$ EL, 1xRJ45/s, Special
- Cat.6$_A$ EL, 1xRJ45/s, Keystone
- Cat.6$_A$ EL, 1xRJ45/s, adapter No.1

i for more information, see the R&M catalogue, www.rdm.com

CP CABLES

CP Cable Cat.6A EL, S/FTP, 4P, LSFRZH, RJ45/s-RJ45/s,

R813806 **7.5 m**
R813788 **10.0 m**
R813790 **15.0 m**

OUTLETS

FM Global Outlet 88x88, 2x1-Port,

● **R310788** **pure white**
● **R310789** **oyster white**

FM Global Outlet 88x88, 3x1-Port,

● **R507877** **pure white**

WM Global Outlet 80x80, 2x1-Port,

● **R310786** **pure white**

WM Global Outlet 88x88, 3x1-Port,

● **R507880** **pure white**

DM Global Outlet 80x86, 2x1-Port,

● **R310790** **pure white**

DM Global Outlet 80x86, 2x1-Port,

● **R310787** **oyster white**

DM Global Outlet 80x86, 3x1-Port,

● **R507878** **pure white**

DM Global Outlet 84x84, 2x1-Port,

● **R318205** **pure white**

Mini Surface Mount Box 1-Port,

● **R303901** **white**

Mini Surface Mount Box 2x1-Port,

● **R804304** **pure white**

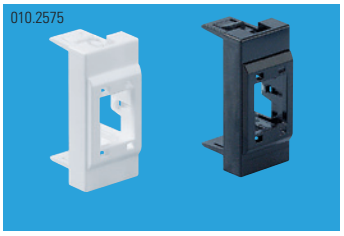
Module compatibility reference:
● Cat.6$_A$ EL, 1xRJ45/s
■ Cat.6$_A$ EL, 1xRJ45/s, Snap-in
▲ Cat.6$_A$ EL, 1xRJ45/s, Special
◆ Cat.6$_A$ EL, 1xRJ45/s, Keystone
★ Cat.6$_A$ EL, 1xRJ45/s, adapter No.1

i for more information, see the R&M catalogue, www.rdm.com

OUTLETS

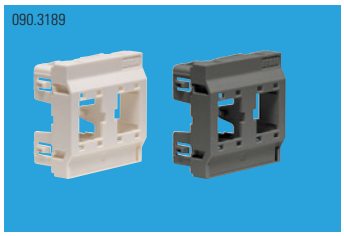
DM Outlet Ø-62.5, 2x1-Port,

● **R925781** **pure white**



Mounting Plate 22.5x45, 1-Port,

● **R307835** **white**
● **R307837** **black**

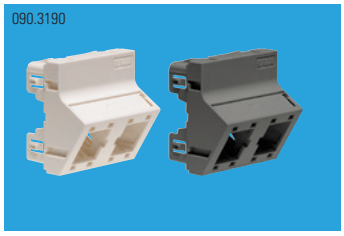


Mounting Plate 45x45, 2x1-Port,

● **R313330** **pure white**
● **R313333** **jet black**

Angled Mounting Plate 45x45, 1-Port,

● **R506663** **pure white**



Angled Mounting Plate 45x45, 2x1-Port,

● **R313332** **pure white**
● **R313331** **jet black**

FM Connection Box Splash Line IP54, 87x87, 1x1-Port,

● **R307037** **white**

FM Connection Box Splash Line IP54, 87x87, 2x1-Port,

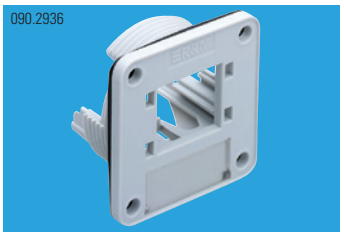
● **R307036** **white**

SM Connection Box Splash Line IP54, 87x87, 1x1-Port,

● **R307038** **white**

SM Connection Box Splash Line IP54, 87x87, 2x1-Port,

● **R307039** **white**



Mounting Frame IP54,

● **R313733**

COUNTRY SPECIFIC OUTLETS

Different designs available for DIN, BS, US, DK, Fascia, FLF

Module compatibility reference:
● Cat.6$_A$ EL, 1xRJ45/s
■ Cat.6$_A$ EL, 1xRJ45/s, Snap-in
▲ Cat.6$_A$ EL, 1xRJ45/s, Special
◆ Cat.6$_A$ EL, 1xRJ45/s, Keystone
★ Cat.6$_A$ EL, 1xRJ45/s, adapter No.1

i for more information, see the R&M catalogue, www.rdm.com

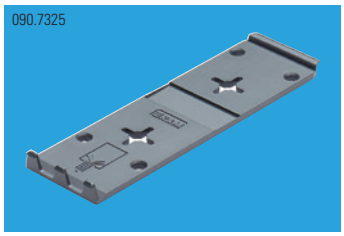
MUTO

Compact Housing 220x110, 3x2-Port,

● **R308971** **pure white**

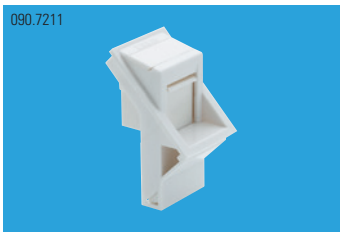
GOP Box empty

R820817



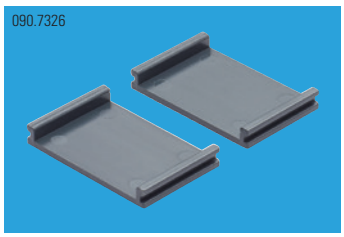
GOP mounting plate

R815249



LJU6C Insert for Cat.6$_A$ and Cat.6$_A$ EL

▲ **R813805**



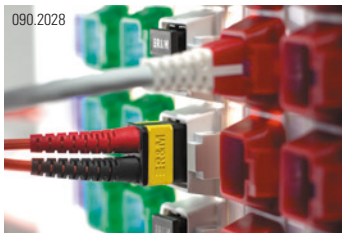
GOP Blind cover set

R814620

DESKBOX

Deskbox products are available from Reichle Installation Technologies

ACCESSORIES



R&M Security System Level 1, 2, 3

Divers

i See quickreference Security

R&M IP Protection IP54. IP67

Divers

i See quickreference IP Protection

Module compatibility reference:

● Cat.6$_A$ EL, 1xRJ45/s
■ Cat.6$_A$ EL, 1xRJ45/s, Snap-in
▲ Cat.6$_A$ EL, 1xRJ45/s, Special
◆ Cat.6$_A$ EL, 1xRJ45/s, Keystone
★ Cat.6$_A$ EL, 1xRJ45/s, adapter No.1

i for more information, see the R&M catalogue, www.rdm.com