FSB Access management

isis® M300 – convenience of online administration

isis

www.fsb.de/isis

German
Design Award

WINNER 2014

EN 15804

Made in Germany, for a global idea

www.fsb.de/EN15804

FSB and SSF have played a pioneering role worldwide by issuing Environmental Product Declarations (EPDs) to ISO 14 025 and EN 15 804 for specific materials and across ranges. The certificate is awarded for environmentally sensitive, costeffective, user-friendly buildings.

The following EPDs are available in German and can be requested free of charge:

– Door lever handles, window handles, isis®-systems* in aluminium: EPD-FSB-20140131-IBC1-DE
– Door lever handles, window handles, isis®-systems* in stainless steel: EPD-FSB-20140132-IBC1-DE
– Door lever handles, window handles, isis®-systems* in bronze and brass: EPD-FSB-20140133-IBC1-DE
– Barrier-free ErgoSystem® (stainless steel): EPD-FSB-20140134-IBC1-DE
– Locks and striking plates: EPD-FSB-20140135-IBC1-DE

* Electronic access management

isis® – Technological symbiosis and comfort

‘Simple is better than complicated.’ (Dieter Rams)

We thought it best to take the matter of how to handle the electronic organisation of access rights into our own hands. The isis® family of systems comprises systematically coordinated and patented door-fitting solutions that fulfil all the requirements of state-of-the-art digital building organisation. The multitude of added functional values has led to them becoming firmly established on the market for the long term.

With its handle-integrated finger scanners the isis® F-series has won over countless customers with its aesthetics, functionality and ergonomics. The isis® M- and T-systems, where access identification is triggered when the means of identification approaches, offer comparable convenience and comfort. The door is opened by simply pressing down on the door handle.

isis® has also been designed with the needs of builders in mind. Regardless of whether the building is small or highly complex, the isis® family of systems enables FSB to provide the right solution for your individual needs every time – without placing too much strain on your budget.

Take a look and see for yourself ...

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isis® at a glance
isis® M100 and isis® M300

isis® by FSB – for all building types

The isis® access management concept has been specially tailored to the most common types of construction elements in architecture. These include full-leaf, framed and full-glass doors and outer doors – needless to say, with the pertinent approvals for DIN 18 273 (smoke- and fireproof doors) and DIN EN 179 (emergency exit locks). Our door-fitting-based technology has been proven to provide both an optimal arrangement in terms of functions, design and ergonomics and to be an ideal way to realise a single-piece door fitting that is as consistent as possible. Whether for an existing or a new door is not important, as is the electrical planning that is often separately required and the relevant preparations for doors.

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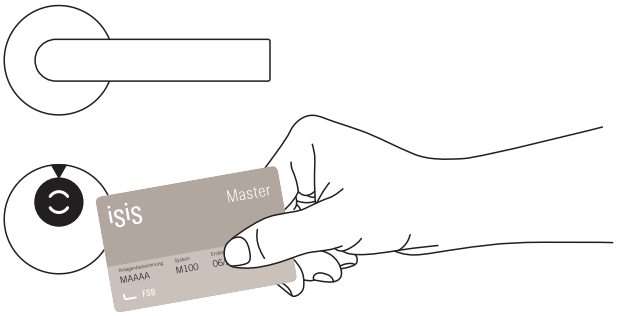
isis® M100

– for less complex requirements
– for residential and public construction, ideal for small buildings
– low-budget due to card-based programming



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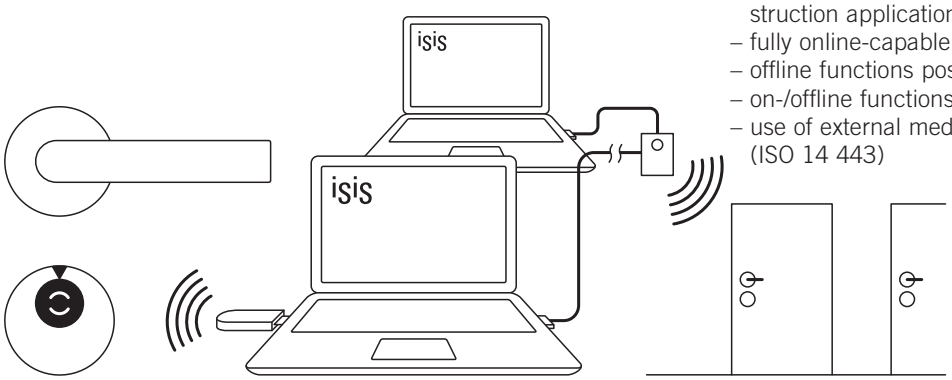
isis® M300

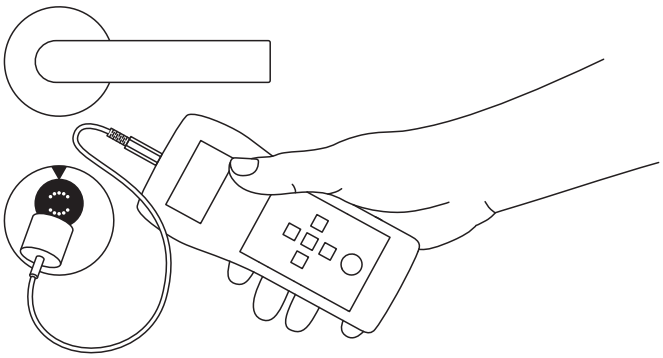
– for complex requirements
– ideal for a multitude of public construction applications
– fully online-capable
– offline functions possible
– on-/offline functions can be combined
– use of external media possible (ISO 14 443)



isis® T300 and isis® F

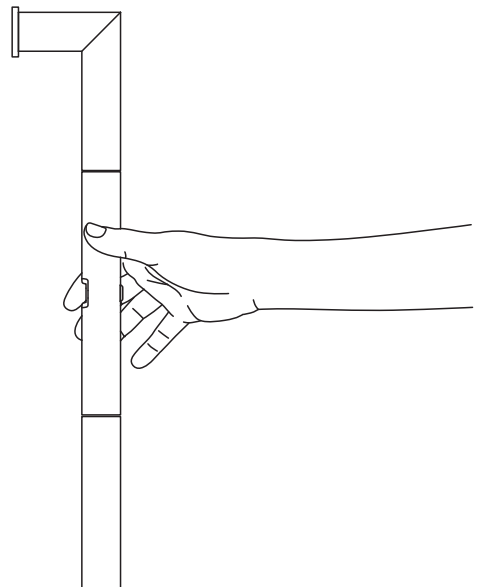
And just like isis® fittings, which can be used on virtually all doors, the use of isis® systems in buildings is in principle just as unlimited: whether for construction of private houses, modernisation, refurbishment or repurposing of existing buildings, be it for small companies, skilled craftsmen, medium-sized companies or major concerns, whether for work and/or residential use, for production or administration – wherever people are on the move inside buildings , isis® systems by FSB are the perfect solution for all access organisation matters. A multitude of specific functions and special features can be realised over and beyond the core application, which we can tailor to your individual needs. Just tell us what we can do for you and what the security and organisational requirements of your building are. It's all in your hands – isis® by FSB.

isis® T300



– for highly complex requirements and heterogeneous building structures
– ideal for a multitude of public construction applications
– integration of external systems possible via various interfaces

isis® F



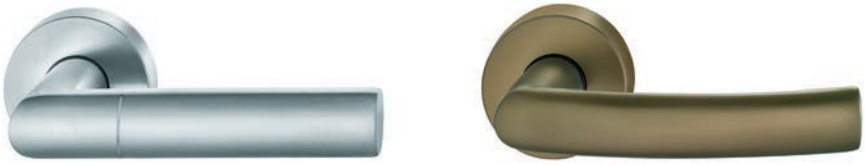
– ideal for a residential building construction
– biometric system in an exclusive design
– with individual configurations; a choice of three different control and functional concepts

LAN/WLAN-based electronic access management for complex requirements

Design 1015 | 1016 | 1023

Design 1035 | 1045 | 1076

Design 1078 | 1107 | 1108



Design 1119 | 1146 | 1147

Design 1159 | 1106 | 1004

isis® M300 incorporates the technical features and ergonomic benefits of isis® access management systems in a network-capable solution for complex requirements.

isis® M300 is the next step up from isis® M100, whose card-based form of hardware-level programming makes it an ideal "starter pack" for smaller buildings. In medium-sized and larger buildings, isis® M300 fully exploits the benefits of a purely LAN/WLAN-based system of administering access rights that enables any number of doors to be conveniently actuated and administered from a PC workstation. There is additionally scope for offline control at the site of the actual hardware using a laptop and a USB transmitter stick. Users are authenticated at the door – as with isis® M100 – by holding a key card or key fob up close to the hardware.

The means of electronic identification for isis® M300 hardware is squeezed into the handle rose or beneath the outer plate together with a mechatronic module. Sets are battery-operated, hence rendering the laying of additional cables superfluous and making for the greatest of flexibility at the installation stage. All this makes isis® unique to the market, as a set of electronic hardware solutions with classic rose/backplate visuals for flush, glass and frame doors.

There are also a wide range of attractive FSB door handle models (a selection can be seen opposite) available in the materials aluminium, stainless steel, brass and bronze. In addition, readers (wall-mounted) can be used to actuate further functions (see p. 8 and pp. 12 ff.). A security door fitting serves to safeguard the outdoor entrances. This comes with a unity of aesthetic form and materials that is unique to classic mechanical fittings in public building construction and to door fittings with the electronic access function in the FSB handle families. Compared to electronic cylinder systems, isis® M300 has a clear advantage owing to its short response times and contact-free operation.

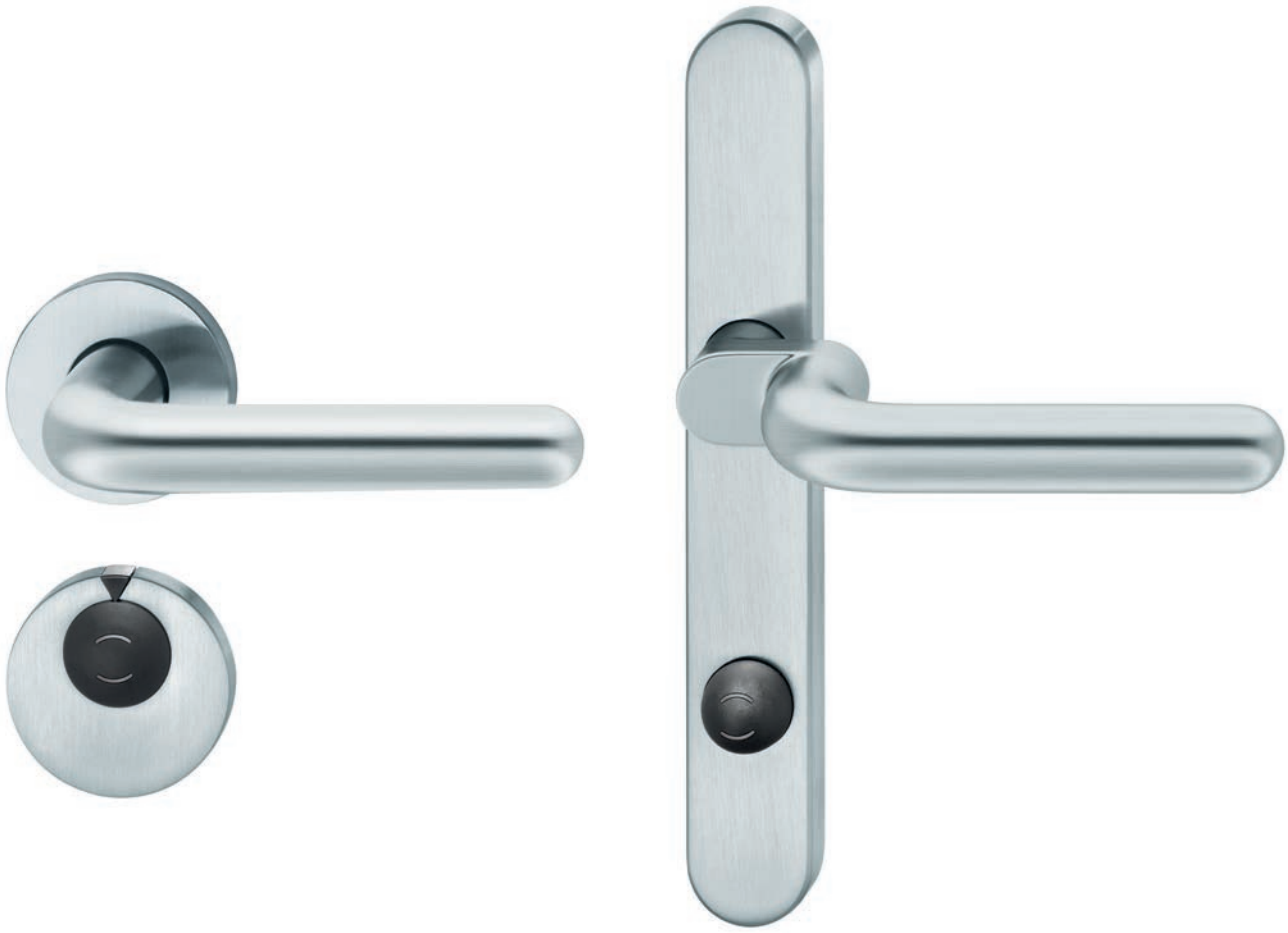
With isis® M300 you will be opting for a compact solution notable for its ease of handling that performs admirably in buildings with large numbers of doors and users. Anyone installing the isis® M100 "starter pack" can uncomplicatedly upgrade to isis® M300.

The various fitting versions available using the example of door handle model FSB 1147 can be seen on the double page that follows.

You will find an overview of all available models and versions from p. 20.

For a system presentation, an initial consultation or specific planning for an isis® access solution, do not hesitate to contact us at info@fsb.de. To find your nearest contact person, go to www.fsb.de/contact (see p. 32).

Consistent and convenient through to the exterior door



LAN/WLAN-based

In medium-sized and larger buildings with a great many doors and users it is advisable to control fittings and assign access rights from a central workstation/ PC or laptop. This puts an end to the "doing-the-rounds" form of administration. isis® M300 operates with convenient administration software and a network of isis® access points that access fittings online.

Consistent

isis® M-systems are impressive due to their classic backplate and rose appearance and are available for full-leaf, glass and framed doors. The systems can be combined with a wide range of attractive FSB door handle models made from aluminium, stainless steel, brass and bronze, guaranteeing perfect coordination to the surrounding architecture and your own individual tastes. In addition, readers are available for wall mounting as well as a security fitting for outside doors.

Sustainable

Like the rest of our range of over 25,000 items, isis® M-systems are certified pursuant to ISO 14 025 and EN 15 804. In this way, FSB is making a significant contribution to sustainable building and is a global pioneer in the hardware trade. isis® M-systems slot in perfectly with environmentally sensitive, cost-effective, user-friendly buildings.

Child's play

Constituting the core of the system is the battery-operated M10 authentication unit. It is housed in a rose or backplate and ensures dependable communication with the isis access points, the isis USB transmitter stick and, of course, the means of identification taking the form of either a key card or a key fob. Optical and acoustic signals accompany the authentication process, which is triggered by holding the identifier up close to the hardware.

Secure inside and out

The high-comfort isis® operating concept is rounded off perfectly on the outside doors: The protective fitting used here can be combined with a self-locking lock, thus uniting the benefits of contactless identification with taught-in door fitting functionality together with added security. As soon as the door falls into the lock, it locks automatically and, on positive identification, and pushing of the handle, is unlocked again. The door can be opened without having to operate a cylinder separately or similar. The isis® security fitting ensures security relevant safeguarding of outer doors as per DIN 18 257 protection class ES-1 L-ZA (reg. no. 3V63) or as per DIN EN 1906 protection class 2. isis® M-sets also meet the requirements of the guidelines 2002/ 95/EC (RoHS), 1999/5/EG and the FTEG. For further information, see www. fsb.de/reach_rohs

Readers with internal and external control unit

Reader for actuation of peripheral functions

FSB also offers, in addition to its classic door handle fittings for full-leaf, glass and framed doors, compact readers with an internal control unit and reader for connection to an external control unit in housings made by reputed manufacturers. Various designs are available for selection, which can be integrated in common product lines of these manufacturers. The administration and operating concept corresponds to that of isis® M-door handle fittings thereby ensuring the accustomed FSB consistency.

The internal and external control units enable activation of motor locks and door openers but also of turnstiles or car park barriers and other building automation peripherals (e.g. for lift or light control) for outdoor and indoor applications. For outdoor use, the models ELCOM Modesta, Siedle Vario or Gira TX44 are available, the housings of which also comply with protection class IP44. For indoor use, the model Gira Event is available in various colour versions.

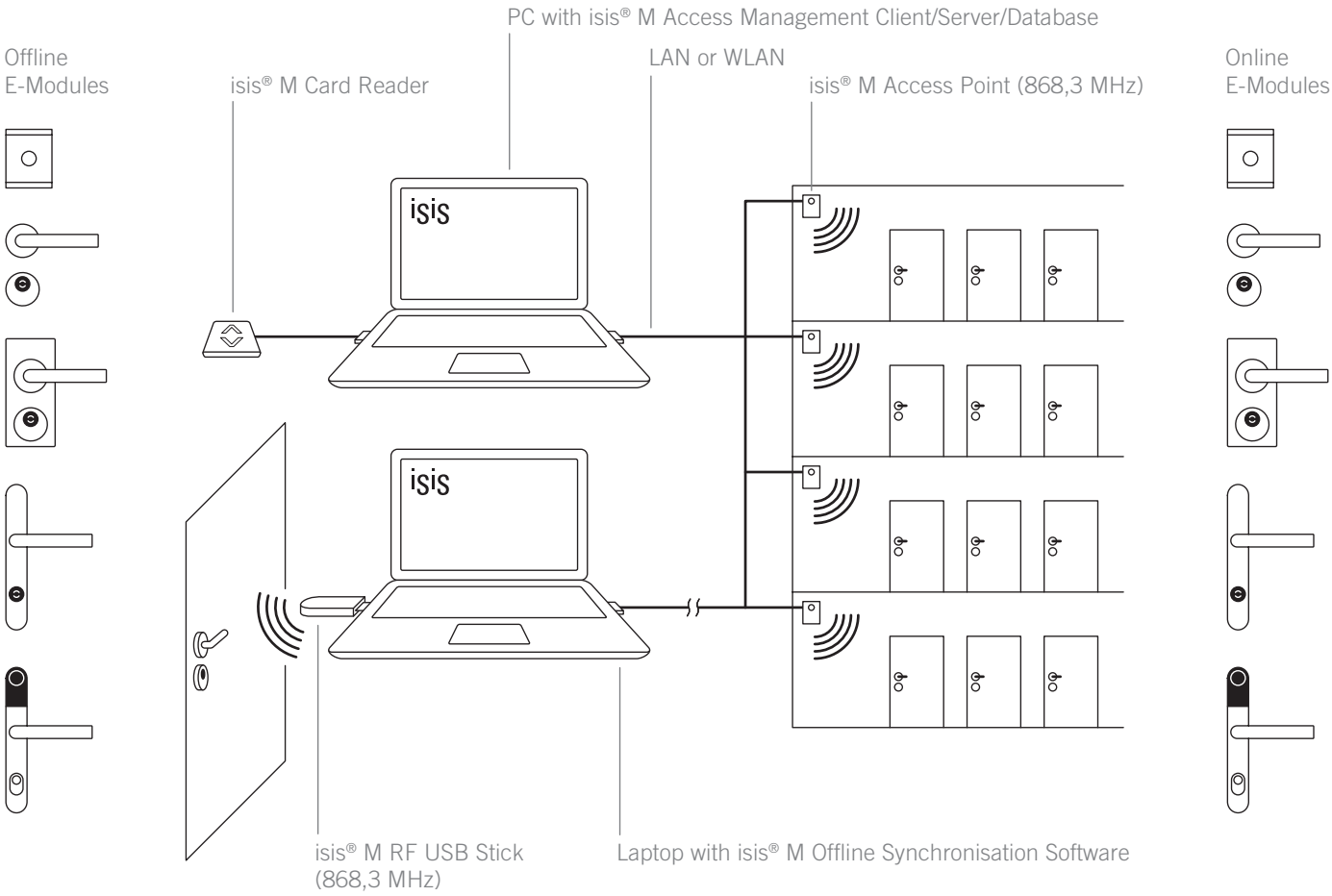
Combined with electronic motor locks or electric door openers, as is generally the case, the relevant technical prerequisites at the customer site need to be taken into account.

isis® reader in housing design of (left to right):

– ELCOM Modesta
– Gira Event
– Gira TX44
– Siedle Vario

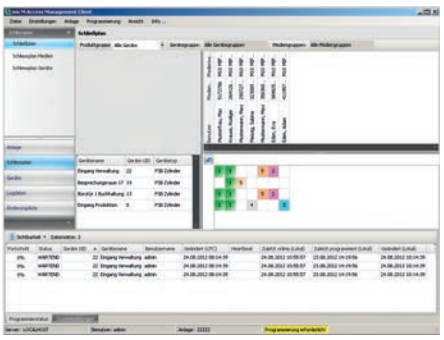
The order variants for isis® readers can be found on pp. 12 ff.

Online administration child's play

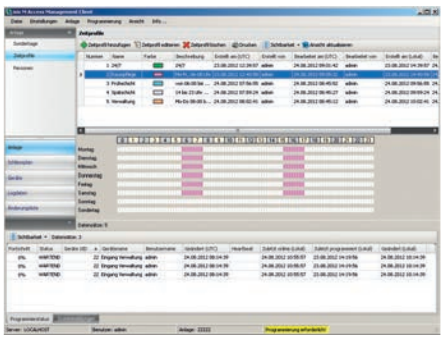


Underpinning isis® M300 is isis® Access Management Software for administration of the lock suite from a PC. This is complemented by components for either radio networking throughout the building or hardware-level actuation.

The complete administration of the isis® M300 system and the award and deletion of access rights is done using the isis® M Access Management Client. An access authorisation is always linked with a maximum of 31 time profiles. Access can therefore be possible all day or can be limited to a maximum of three different time periods a day. Communication with the fittings can either take place via LAN or WLAN-networked isis® M Access Points (online solution) or on a laptop in immediate proximity to the fittings in conjunction with the isis® M RF USB stick (offline solution). Activation via a wireless stick is used wherever there are no access points available in the building, e.g. on individual doors outside the access point range or in areas where no wireless network is allowed or can be set up. isis® M300 can be used purely as an online solution, purely as an offline solution, or as a mixed system. The status (online/offline) of the electronic modules can be flexibly modified by the administrator via the software. This requirement may arise e. g. when restructuring areas within the building.



Creating a locking plan



Administering specific time profiles

Fitting versions

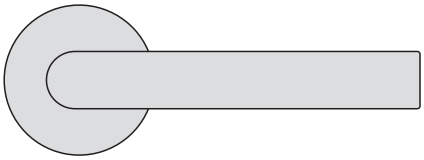
For full-leaf doors

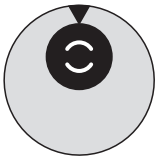
26 .... 01004 (R) | 01005 (L)
26 .... 02014 (R) | 02015 (L)
26 .... 02014 (R) | 02015 (L)

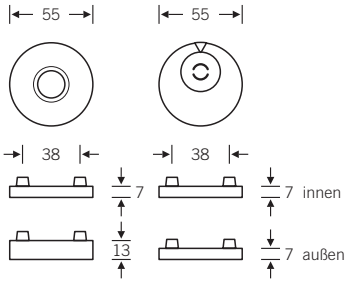
Spacings 55, 70, 72, 88 and 92 mm

Available with overlying roses

For locks from a pin size of 50 mm
Max. pressing angle of fitting 30°







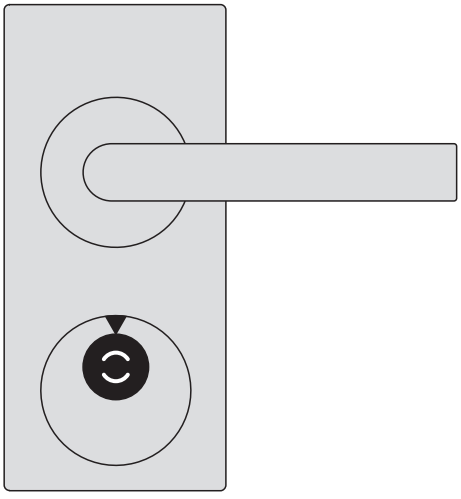
For glass doors

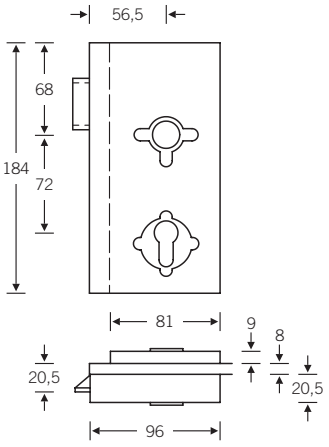
isis® M300 fitting:
26 .... 01004 (R) | 01005 (L)

Spacing 72 mm

Glass door fitting, including lock:
13 4220 03004 (RS)* | 03005 (LS)*
RS = lock for DIN right doors
LS = lock for DIN left doors

Prepared in the factory for glass thicknesses 8 and 10 mm





R = handle on electronics side pointing left
L = handle on electronics side pointing right

The number of the FSB door handle model needs to be added to the item number.

* Also possible for glass door fitting 13 4223, for dimensions see dimensional drawing (identical), glass door fitting also available with self-locking anti-panic lock

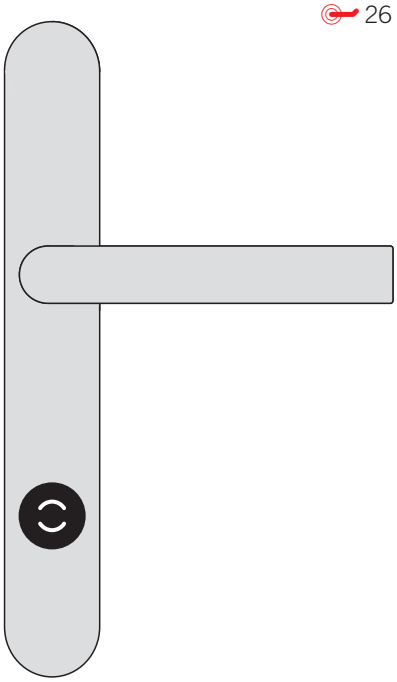
For framed doors

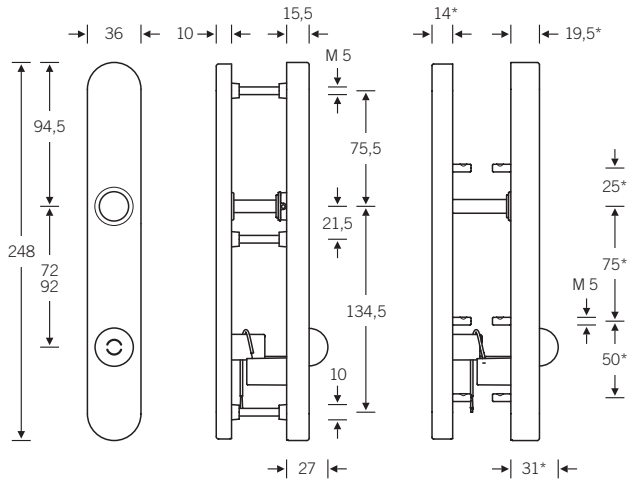
Without adapter plate
26 .... 05402 (R) | 05502 (L)
26 .... 05412 (R) | 05512 (L)
26 .... 05412 (R) | 05512 (L)

With adapter plate*
26 .... 05612 (R) | 05712 (L)
26 .... 05612 (R) | 05712 (L)

Spacing 72 and 92 mm

For locks from a pin size of 30 mm
Max. pressing angle of fitting 30°





For outer doors (protective fitting)

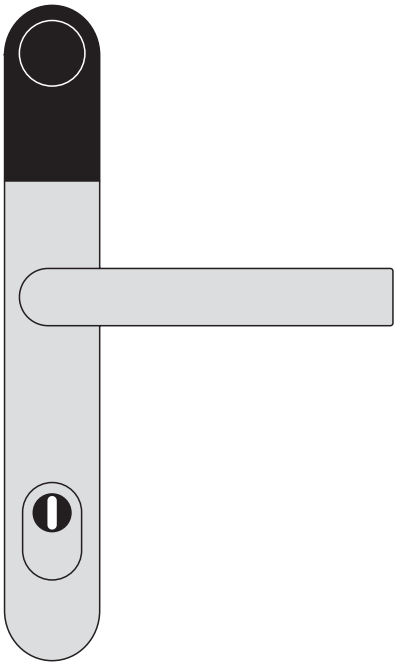
26 .... 15402 (R) | 15502 (L) 8 mm ☐
26 .... 15461 (R) | 15561 (L) 8.5 mm ☐
26 .... 15422 (R) | 15522 (L) 10 mm ☐

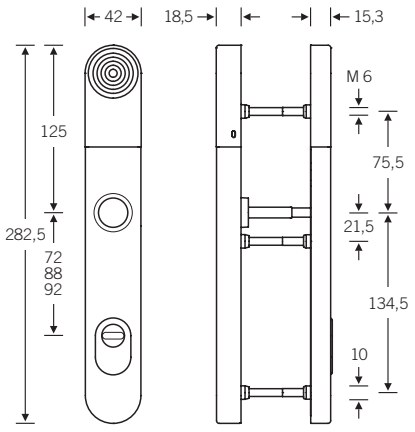
26 .... 15412 (R) | 15512 (L) 9 mm ☐
26 .... 15412 (R) | 15512 (L) 9 mm ☐

Spacings 72, 88 and 92 mm
Outdoor protection class IP 54

For locks from a pin size of 35 mm
Max. pressing angle of fitting 39°

Cylinder projections:
inner assembly min. 18, max. 23 mm
outer assembly 9 – 14 mm





R = handle on electronics side pointing left
L = handle on electronics side pointing right

The number of the FSB door handle model needs to be added to the item number.

* For FH elements in stock with oval rose preliminary bore

Wall-mounted readers

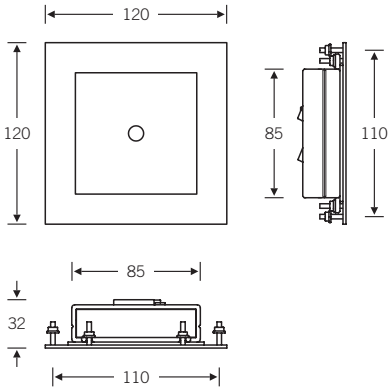
ELCOM Modesta

Reader modules,
with internal control unit
26 2504 00050 6204
for external control unit
26 2504 00051 6204

26 2504 00052 6204 (surface-mounted frame)
26 2504 00053 6204 (flush-mounted frame)

Stainless steel (6204)

Protection class IP 44



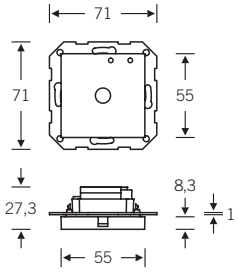
Gira Event

Reader modules
with internal control unit
26 2504 00150 ....
for external control unit
26 2504 00151 ....

26 2504 00154 .... (cover frame)

Anthracite (8802), Pure White, matt (9020)

Protection class IP 20
Assembly only in flush-mounted box



External flush-mounted control unit
26 2504 00201 8100
External control unit top hat rail
26 2504 00200 8100
The dimensional drawings are always based on the reader module

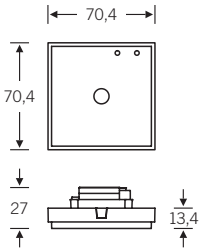
Gira TX44

Reader modules,
with internal control unit
26 2504 00152 ....
for external control unit
26 2504 00153 ....

26 2504 00155 .... (cover frame)

Anthracite (8802), Pure White (9020)

Protection class IP 44
Assembly only in flush-mounted box

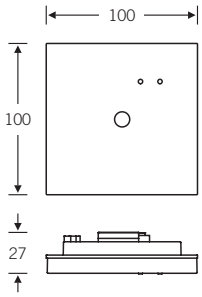


Siedle Vario

Reader modules,
with internal control unit
26 2504 00100 ....
for external control unit
26 2504 00101 ....
Surface-mounted assembly
26 2504 00104 .... (mounting frame)
26 2504 00102 .... (housing)
Flush-mounting
26 2504 00104 .... (mounting frame)
26 2504 00105 .... (combined frame)
26 2504 00103 8800 (housing)

White (8220), Silver Metallic (8826)

Protection class IP 44



External flush-mounted control unit
26 2504 00201 8100
External control unit top hat rail
26 2504 00200 8100
The dimensional drawings are always
based on the reader module

Technology and description of functions

ID medium can be authenticated without any need for contact using passive transponder technology via the electronics module. The electronics module in the key rose will automatically identify a medium as authorised or unauthorised as soon as it is held in its immediate vicinity. Although the ID medium's transponder carries specific and individually programmable information, it does not need a battery and is completely maintenance-free.

Passive transponder technology

Passive transponder technology means that the energy needed for communication and to run internal processes comes exclusively from the reading unit's field. As a result, the ID medium does not need its own power supply.

The electronics module of the isis® M-system uses MIFARE™ chip technology by NXP. Data communication takes place at a frequency of 13.56 MHz. In conjunction with the key cards based on MIFARE™ DESFire EV1, secure encryption with a system-specific security feature is guaranteed. Technology meets the highest security requirements and corresponds to current state-of-the-art standards.

FS approval for fire doors

isis® fittings from FSB simplify planning work considerably as well as offering reliability with regard to liability and complaints. With respect to use on fire safety components, isis® fittings are approved for fire safety and meet the applicable requirements according to DIN 18 273. Over and above this, they can even be used for emergency exits with door handles pursuant to DIN EN 179 in conjunction with suitable locks.

Both for renovations and for new buildings, the advantages are clear: owing to its FS approval, isis® can be installed on corresponding fire doors, without having to add the use of the fitting to the building's monitoring documents. Already existing FS doors or even FS doors preconfigured with other fittings can continue to be used without any problems and isis® fittings can be used to bring them in line with the latest state-of-the-art technology.

System features and system benefits

Features of the system

– For buildings with complex system requirements and organisational structures

– Wholly online-capable by means of LAN-based radio network

– Offline functions can be individually performed by transferring access codes with the aid of a netbook/RF USB stick

– Online and offline functions can be combined

– Single-entry and office-function options

– As per EN 1906 class 4

– Approval as per DIN 18 273 (smoke and fireproof doors)

– Approved for emergency exit devices in accordance with EN 179 (in combination with self-locking panic locks)

– Contact-free communication between keys and fittings or readers

– Passive technology with MIFARE™ DESFire EV1 transponders in conjunction with security features specific to the installation

– Keys contain an identification characteristic that is specific to the installation

– Modular and flexibly extendible locking system

– Power supplied to fittings via lithium battery 3.6 V 1/2 AA; service life approx. 2.5 years depending on type of function and operating frequency

– The access information is stored in the fitting or the reader

Advantages of the system

– If the key is lost:

  · High level of organisational security and low maintenance costs by simply deleting lost keys
  · It is not necessary to replace parts of the locking system

– Quick response times and contact-free electronic identification,

– Combined with particularly convenient operation of the hardware using the door handle

– Straightforward definition of locking hierarchies and sequences by means of intuitively assimilable locking plan software with notably convenient functions

– Unlimited flexibility in the event of changes in room uses and locking rights

– The only door fitting solution on the market that uses roses with a classic homelike look

– Available in aluminium, stainless steel, brass and bronze

– Available in various handle designs, custom versions possible on request

– Suitable for interior doors made of glass, wood and steel as well as framed doors; the only electronic access control door fitting solution for full glass doors on the market

– Quick and easy installation

– Simple supply of emergency power via external 9 V battery (in case of security fitting for external doors, can be opened in an emergency using mechanical locking cylinder)

– Easy to handle for the user due to uniform operating and signalling concept

Planning benefits

– Stand-alone solution which does not require on-site preparations for electrical power or connections to external interfaces

– Simple and flexible applicability, suitable for all Euro cylinder locks to DIN standards

  · from a pin size of 50 mm with an operating angle of max. 30° for rose fittings,
  · from a pin size of 30 mm with an operating angle of max. 30° for tubular frame fittings and
  · from a pin size of 35 mm with an operating angle of max. 39° for security fittings

– Power is supplied to the door fitting independently of the electrical network using an integrated battery for maximum flexibility from the planning phase onwards

– Simple and straightforward retrofitting of existing doors and locks

– External entrances: unique combination of technology, convenience and security effect by combining isis® M300-security fittings with self-locking systems

– Harmonised component from FSB's comprehensive range of door and window fittings and products for equipping the interiors of large buildings

– Maximum reliability for orders: only persons who possess the master are able to order additional components

– Customer-oriented organisational philosophy inside the factory: all of the electronic components which belong to a building are given a dedicated security parameter

Order form
isis® M300 for full-leaf doors

Franz Schneider
Brakel GmbH + Co KG
Nieheimer Straße 38
33034 Brakel
Germany

Fax: +49 (0)5272 608-324

E-Mail: info@fsb.de

Ordering party/company

Customer no. (where available)

Contact 1

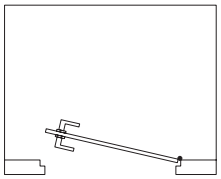
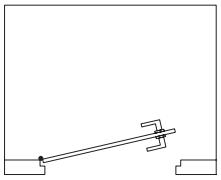
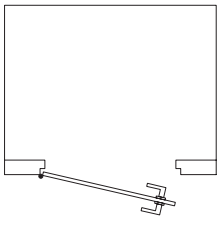
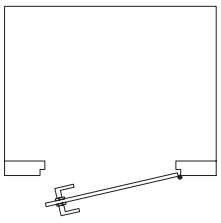
Contact 2

Street

Postcode/City

Telephone no. for return queries

Commission/construction projects

		Quantity/ fittings	Door thickness/ mm	Special fitting*
Left-hand fitting for DIN left-hand, opening inwards Handle on electronic side pointing right				
Right-hand fitting for DIN right-hand, opening inwards Handle on electronic side pointing left				
Right-hand fitting for DIN left-hand, opening outwards Handle on electronic side pointing left				
Left-hand fitting for DIN right-hand, opening outwards Handle on electronic side pointing right				

Locking system number:

FSB handle model:

Material/finishes

☐ Aluminium, naturally coloured
☐ Stainless steel, fine matt
☐ Waxed polished brass
☐ Brightly patinated bronze

Four-edged pin:

☐ 8 mm
☐ 9 mm

Profile cylinder spacing: _____ mm

☐ Renovation I Dimension of doorprotector or FSB drawing no. (where known):

I would also like to order:

☐ ____ x FSB manual
☐ ____ x Brochure isis® M100
☐ ____ x Brochure isis® T300
☐ ____ x Brochure isis® F
☐ Other:

*** Special fitting (please enter code):** FS = fire-protection fitting

Order form
isis® M300 for glass doors

Franz Schneider
Brakel GmbH + Co KG
Nieheimer Straße 38
33034 Brakel
Germany

Fax: +49 (0)5272 608-324

E-Mail: info@fsb.de

Ordering party/company

Customer no. (where available)

Contact 1

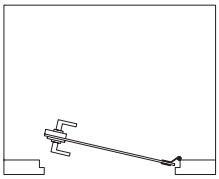
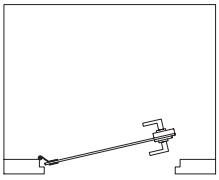
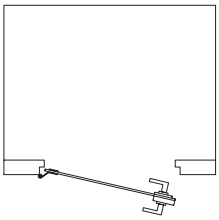
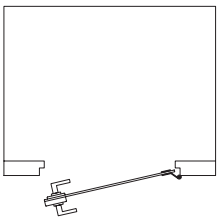
Contact 2

Street

Postcode/City

Telephone no. for return queries

Commission/construction projects

		Quantity/fittings	Special fitting*
Left-hand fitting Left glass door fitting for DIN left-hand, opening inwards Handle on electronic side pointing right			
Right-hand fitting Right glass door fitting for DIN right-hand, opening inwards Handle on electronic side pointing left			
Right-hand fitting Left glass door fitting for DIN left-hand, opening outwards Handle on electronic side pointing left			
Left-hand fitting Right glass door fitting for DIN right-hand, opening outwards Handle on electronic side pointing right			

*** Special fitting (please enter code):** FS = fire-protection fitting

Locking system number:

FSB handle model:

Model of FSB glass door fitting:

Material/finishes

☐ Aluminium, naturally coloured
☐ Stainless steel, fine matt

Four-edged pin:

☐ 8 mm

I would also like to order:

☐ ____ x FSB manual
☐ ____ x Brochure isis® M100
☐ ____ x Brochure isis® T300
☐ ____ x Brochure isis® F
☐ Other:

Order form
isis® M300 for framed doors

Franz Schneider
Brakel GmbH + Co KG
Nieheimer Straße 38
33034 Brakel
Germany

Fax: +49 (0)5272 608-324

E-Mail: info@fsb.de

Ordering party/company

Customer no. (where available)

Contact 1

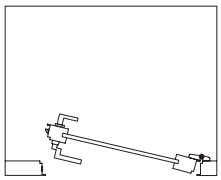
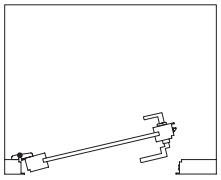
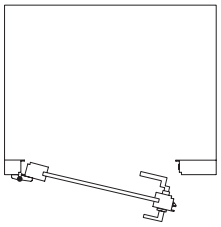
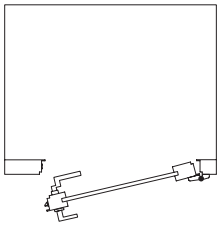
Contact 2

Street

Postcode/City

Telephone no. for return queries

Commission/construction projects

		Quantity/ fittings	Door thickness/ mm	Special fitting*
Left-hand fitting for DIN left-hand, opening inwards Handle on electronic side pointing right				
Right-hand fitting for DIN right-hand, opening inwards Handle on electronic side pointing left				
Right-hand fitting for DIN left-hand, opening outwards Handle on electronic side pointing left				
Left-hand fitting for DIN right-hand, opening outwards Handle on electronic side pointing right				

Locking system number:

FSB handle model:

Material/finishes

☐ Aluminium, naturally coloured
☐ Stainless steel, fine matt

Four-edged pin:

☐ 8 mm
☐ 9 mm
☐ 9 mm with adapter plate

Profile cylinder spacing:

☐ 72 mm
☐ 92 mm

I would also like to order:

☐ ____ x FSB manual
☐ ____ x Brochure isis® M100
☐ ____ x Brochure isis® T300
☐ ____ x Brochure isis® F
☐ Other:

*** Special fitting (please enter code):** FS = fire-protection fitting

Order form
isis® M300 for outer doors

Franz Schneider
Brakel GmbH + Co KG
Nieheimer Straße 38
33034 Brakel
Germany

Fax: +49 (0)5272 608-324

E-Mail: info@fsb.de

Ordering party/company

Customer no. (where available)

Contact 1

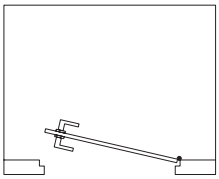
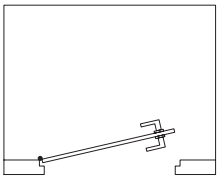
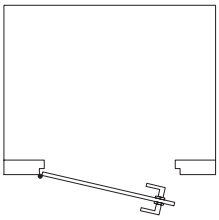
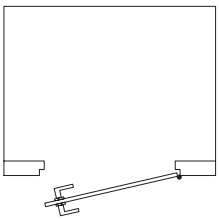
Contact 2

Street

Postcode/City

Telephone no. for return queries

Commission/construction projects

		Quantity/ fittings	Door thickness/ mm	Special fitting*
Left-hand fitting for DIN left-hand, opening inwards Handle on electronic side pointing right				
Right-hand fitting for DIN right-hand, opening inwards Handle on electronic side pointing left				
Right-hand fitting for DIN left-hand, opening outwards Handle on electronic side pointing left				
Left-hand fitting for DIN right-hand, opening outwards Handle on electronic side pointing right				

*** Special fitting (please enter code):** FS = fire-protection fitting

Locking system number:

FSB handle model:

Material/finishes

☐ Aluminium, naturally coloured
☐ Stainless steel, fine matt

Four-edged pin:

☐ 7 mm
(without protection class)
☐ 8 mm
☐ 8.5 mm
☐ 9 mm
☐ 10 mm

Profile cylinder spacing:

☐ 72 mm
☐ 88 mm
☐ 92 mm

I would also like to order:

☐ ____ x FSB manual
☐ ____ x Brochure isis® M100
☐ ____ x Brochure isis® T300
☐ ____ x Brochure isis® F
☐ Other:

Overview of scope of delivery
1001–1004

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1001	ER	6204	–	–	–	–		–	–	–	–	–	–
	ER	6205	–	–	–	–		–	–	–	–	–	–
	ER PVD	6210	–	–	–	–		–	–	–	–	–	–
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	○	1002	●		○	○	1002	○	○	1002
	AL	0205	–	–	–	–		–	–	–	–	–	–
	AL	0305	–	–	–	–		–	–	–	–	–	–
	AL	0405	–	–	–	–		–	–	–	–	–	–
	AL	0704	–	–	–	–		–	–	–	–	–	–
	AL	0505	–	–	–	–		–	–	–	–	–	–
	AL	0805	–	–	–	–		–	–	–	–	–	–
1002	ER	6204	–	–	–	–		–	–	–	–	–	–
	ER	6205	–	–	–	–		–	–	–	–	–	–
	ER PVD	6210	–	–	–	–		–	–	–	–	–	–
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	–	–	○	–		–	–	○	–	–	○
	AL	0205	–	–	–	–		–	–	–	–	–	–
	AL	0305	–	–	–	–		–	–	–	–	–	–
	AL	0405	–	–	–	–		–	–	–	–	–	–
	AL	0704	–	–	–	–		–	–	–	–	–	–
	AL	0505	–	–	–	–		–	–	–	–	–	–
	AL	0805	–	–	–	–		–	–	–	–	–	–
1004	ER	6204	●	●	1134	●		●	●	1134	●	●	1134
	ER	6205	●	●	1134	●		●	●	1134	●	●	1134
	ER PVD	6210	●	●	1134	●		●	●	1134	●	●	1134
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	●	1134	●		●	●	1134	●	●	1134
	AL	0205	–	–	–	–		–	–	–	–	–	–
	AL	0305	–	–	–	–		–	–	–	–	–	–
	AL	0405	–	–	–	–		–	–	–	–	–	–
	AL	0704	–	–	–	–		–	–	–	–	–	–
	AL	0505	–	–	–	–		–	–	–	–	–	–
	AL	0805	–	–	–	–		–	–	–	–	–	–

ER, ER PVD I Stainless steel
6204 I Fine matt
6205 I Polished
6210 I Shiny brass

MS I Brass
4305 I Polished waxed
BR I Bronze
7615 I Brightly patinated and waxed

AL I Aluminium
0105 I Natural-coloured anodised F1
0205 I New silver-coloured anodised F2
0305 I Brass-coloured anodised F3
0405 I Bronze-coloured anodised F4
0704 I Dark bronze-coloured anodised B7
0505 I Mid-bronze-coloured anodised C33
0805 I Black anodised C35

Overview of scope of delivery
1015–1023

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1015	ER	6204	●	●	1045	●		●	●	1045	●	●	1045
	ER	6205	●	●	1045	●		●	●	1045	●	●	1045
	ER PVD	6210	●	●	1045	●		●	●	1045	●	●	1045
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	●	●	–	–		–	–	–	–	–	–
	AL	0105	●	●	1045	●		●	●	1045	●	●	1045
	AL	0205	●	●	1045	●		●	●	1045	●	●	1045
	AL	0305	●	●	1045	●		●	●	1045	●	●	1045
	AL	0405	●	●	1045	●		●	●	1045	●	●	1045
	AL	0704	●	●	1045	●		●	●	1045	●	●	1045
	AL	0505	●	●	1045	●		●	●	1045	●	●	1045
	AL	0805	●	●	1045	●		●	●	1045	●	●	1045
1016	ER	6204	●	–	●	●		●	–	●	●	–	●
	ER	6205	●	–	●	●		●	–	●	●	–	●
	ER PVD	6210	●	–	●	●		●	–	●	●	–	●
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	–	●	●		●	–	●	●	–	●
	AL	0205	●	–	●	●		●	–	●	●	–	●
	AL	0305	●	–	●	●		●	–	●	●	–	●
	AL	0405	●	–	●	●		●	–	●	●	–	●
	AL	0704	●	–	●	●		●	–	●	●	–	●
	AL	0505	●	–	●	●		●	–	●	●	–	●
	AL	0805	●	–	●	●		●	–	●	●	–	●
1023	ER	6204	●	●	1053	●		●	●	1053	●	●	1053
	ER	6205	●	●	1053	●		●	●	1053	●	●	1053
	ER PVD	6210	●	●	1053	●		●	●	1053	●	●	1053
	MS	4305	●	–	–	–		–	–	–	–	–	–
	BR	7615	●	●	1053	–		–	–	–	–	–	–
	AL	0105	●	●	1053	●		●	●	1053	●	●	1053
	AL	0205	●	●	1053	●		●	●	1053	●	●	1053
	AL	0305	●	●	1053	●		●	●	1053	●	●	1053
	AL	0405	●	●	1053	●		●	●	1053	●	●	1053
	AL	0704	●	●	1053	●		●	●	1053	●	●	1053
	AL	0505	●	●	1053	●		●	●	1053	●	●	1053
	AL	0805	●	●	1053	●		●	●	1053	●	●	1053

ER, ER PVD | Stainless steel
6204 | Fine matt
6205 | Polished
6210 | Shiny brass

MS | Brass
4305 | Polished waxed
BR | Bronze
7615 | Brightly patinated and waxed

AL | Aluminium
0105 | Natural-coloured anodised F1
0205 | New silver-coloured anodised F2
0305 | Brass-coloured anodised F3
0405 | Bronze-coloured anodised F4
0704 | Dark bronze-coloured anodised B7
0505 | Mid-bronze-coloured anodised C33
0805 | Black anodised C35

Overview of scope of delivery
1031–1043

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1031	ER	6204	–	–	●	–		–	–	●	–	–	○
	ER	6205	–	–	●	–		–	–	●	–	–	○
	ER PVD	6210	–	–	●	–		–	–	●	–	–	○
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	–	–	●	–		–	–	●	–	–	○
	AL	0205	–	–	–	–		–	–	–	–	–	–
	AL	0305	–	–	–	–		–	–	–	–	–	–
	AL	0405	–	–	–	–		–	–	–	–	–	–
	AL	0704	–	–	–	–		–	–	–	–	–	–
	AL	0505	–	–	–	–		–	–	–	–	–	–
	AL	0805	–	–	–	–		–	–	–	–	–	–
1035	ER	6204	●	●	1031	●		●	●	1031	○	○	1031
	ER	6205	●	●	1031	●		●	●	1031	○	○	1031
	ER PVD	6210	●	●	1031	●		●	●	1031	○	○	1031
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	–	1031	●		●	–	1031	○	–	1031
	AL	0205	–	–	–	–		–	–	–	–	–	–
	AL	0305	–	–	–	–		–	–	–	–	–	–
	AL	0405	–	–	–	–		–	–	–	–	–	–
	AL	0704	–	–	–	–		–	–	–	–	–	–
	AL	0505	–	–	–	–		–	–	–	–	–	–
	AL	0805	–	–	–	–		–	–	–	–	–	–
1043	ER	6204	–	–	●	–		○	–	●	○	–	○
	ER	6205	–	–	●	–		○	–	●	○	–	○
	ER PVD	6210	–	–	●	–		○	–	●	○	–	○
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	○	–		–	–	–	–	–	–
	AL	0105	–	–	○	–		–	–	○	–	–	○
	AL	0205	–	–	○	–		–	–	○	–	–	○
	AL	0305	–	–	○	–		–	–	○	–	–	○
	AL	0405	–	–	○	–		–	–	○	–	–	○
	AL	0704	–	–	○	–		–	–	○	–	–	○
	AL	0505	–	–	○	–		–	–	○	–	–	○
	AL	0805	–	–	○	–		–	–	○	–	–	○

ER, ER PVD I Stainless steel
6204 I Fine matt
6205 I Polished
6210 I Shiny brass

MS I Brass
4305 I Polished waxed
BR I Bronze
7615 I Brightly patinated and waxed

AL I Aluminium
0105 I Natural-coloured anodised F1
0205 I New silver-coloured anodised F2
0305 I Brass-coloured anodised F3
0405 I Bronze-coloured anodised F4
0704 I Dark bronze-coloured anodised B7
0505 I Mid-bronze-coloured anodised C33
0805 I Black anodised C35

Overview of scope of delivery
1045–1070

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1045	ER	6204	●	–	●	●		●	–	●	●	–	●
	ER	6205	●	–	●	●		●	–	●	●	–	●
	ER PVD	6210	●	–	●	●		●	–	●	●	–	●
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	–	●	●		●	–	●	●	–	●
	AL	0205	●	–	●	●		●	–	●	●	–	●
	AL	0305	●	–	●	●		●	–	●	●	–	●
	AL	0405	●	–	●	●		●	–	●	●	–	●
	AL	0704	●	–	●	●		●	–	●	●	–	●
	AL	0505	●	–	●	●		●	–	●	●	–	●
	AL	0805	●	–	●	●		●	–	●	●	–	●
1053	ER	6204	–	–	●	–		–	–	●	–	–	●
	ER	6205	–	–	●	–		–	–	●	–	–	●
	ER PVD	6210	–	–	●	–		–	–	●	–	–	●
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	●	–		–	–	–	–	–	–
	AL	0105	–	–	●	–		–	–	●	–	–	○
	AL	0205	–	–	●	–		–	–	●	–	–	○
	AL	0305	–	–	●	–		–	–	●	–	–	○
	AL	0405	–	–	●	–		–	–	●	–	–	○
	AL	0704	–	–	●	–		–	–	●	–	–	○
	AL	0505	–	–	●	–		–	–	●	–	–	○
	AL	0805	–	–	●	–		–	–	●	–	–	○
1070	ER	6204	●	–	●	●		●	–	●	●	–	●
	ER	6205	●	–	●	●		●	–	●	●	–	●
	ER PVD	6210	●	–	●	●		●	–	●	●	–	●
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	–	●	●		●	–	●	●	–	●
	AL	0205	●	–	●	●		●	–	●	●	–	●
	AL	0305	●	–	●	●		●	–	●	●	–	●
	AL	0405	●	–	●	●		●	–	●	●	–	●
	AL	0704	●	–	●	●		●	–	●	●	–	●
	AL	0505	●	–	●	●		●	–	●	●	–	●
	AL	0805	●	–	●	●		●	–	●	●	–	●

ER, ER PVD | Stainless steel
6204 | Fine matt
6205 | Polished
6210 | Shiny brass

MS | Brass
4305 | Polished waxed
BR | Bronze
7615 | Brightly patinated and waxed

AL | Aluminium
0105 | Natural-coloured anodised F1
0205 | New silver-coloured anodised F2
0305 | Brass-coloured anodised F3
0405 | Bronze-coloured anodised F4
0704 | Dark bronze-coloured anodised B7
0505 | Mid-bronze-coloured anodised C33
0805 | Black anodised C35

Overview of scope of delivery
1075–1078

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1075	ER	6204	●	●	1070	●		●	●	1070	●	●	1070
	ER	6205	●	●	1070	●		●	●	1070	●	●	1070
	ER PVD	6210	●	●	1070	●		●	●	1070	●	●	1070
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	–	1070	●		–	–	1070	–	–	1070
	AL	0205	●	–	1070	●		–	–	1070	–	–	1070
	AL	0305	●	–	1070	●		–	–	1070	–	–	1070
	AL	0405	●	–	1070	●		–	–	1070	–	–	1070
	AL	0704	●	–	1070	●		–	–	1070	–	–	1070
	AL	0505	●	–	1070	●		–	–	1070	–	–	1070
	AL	0805	●	–	1070	●		–	–	1070	–	–	1070
1076	ER	6204	●	●	1016	●		●	●	1016	●	●	1016
	ER	6205	●	●	1016	●		●	●	1016	●	●	1016
	ER PVD	6210	●	●	1016	●		●	●	1016	●	●	1016
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	●	1016	●		●	●	1016	●	●	1016
	AL	0205	●	●	1016	●		●	●	1016	●	●	1016
	AL	0305	●	●	1016	●		●	●	1016	●	●	1016
	AL	0405	●	●	1016	●		●	●	1016	●	●	1016
	AL	0704	●	●	1016	●		●	●	1016	●	●	1016
	AL	0505	●	●	1016	●		●	●	1016	●	●	1016
	AL	0805	●	●	1016	●		●	●	1016	●	●	1016
1078	ER	6204	●	●	1088	●		●	●	1088	●	●	1088
	ER	6205	●	●	1088	●		●	●	1088	●	●	1088
	ER PVD	6210	●	●	1088	●		●	●	1088	●	●	1088
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	●	1088	●		●	●	1088	●	○	1088
	AL	0205	●	●	1088	●		●	●	1088	●	○	1088
	AL	0305	●	●	1088	●		●	●	1088	●	○	1088
	AL	0405	●	●	1088	●		●	●	1088	●	○	1088
	AL	0704	●	●	1088	●		●	●	1088	●	○	1088
	AL	0505	●	●	1088	●		●	●	1088	●	○	1088
	AL	0805	●	●	1088	●		●	●	1088	●	○	1088

ER, ER PVD | Stainless steel
6204 | Fine matt
6205 | Polished
6210 | Shiny brass

MS | Brass
4305 | Polished waxed

BR | Bronze
7615 | Brightly patinated and waxed

AL | Aluminium
0105 | Natural-coloured anodised F1
0205 | New silver-coloured anodised F2
0305 | Brass-coloured anodised F3
0405 | Bronze-coloured anodised F4
0704 | Dark bronze-coloured anodised B7
0505 | Mid-bronze-coloured anodised C33
0805 | Black anodised C35

Overview of scope of delivery
1088–1102

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1088	ER	6204	–	–	●	–		–	–	○	–	–	○
	ER	6205	–	–	●	–		–	–	○	–	–	○
	ER PVD	6210	–	–	●	–		–	–	○	–	–	○
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	–	–	●	–		–	–	○	–	–	○
	AL	0205	–	–	●	–		–	–	○	–	–	○
	AL	0305	–	–	●	–		–	–	○	–	–	○
	AL	0405	–	–	●	–		–	–	○	–	–	○
	AL	0704	–	–	●	–		–	–	○	–	–	○
	AL	0505	–	–	●	–		–	–	○	–	–	○
	AL	0805	–	–	●	–		–	–	○	–	–	○
1093	ER	6204	●	●	–	●		●	●	–	●	●	–
	ER	6205	●	●	–	●		●	●	–	●	●	–
	ER PVD	6210	●	●	–	●		●	●	–	●	●	–
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	–	–	–	–		–	–	–	–	–	–
	AL	0205	–	–	–	–		–	–	–	–	–	–
	AL	0305	–	–	–	–		–	–	–	–	–	–
	AL	0405	–	–	–	–		–	–	–	–	–	–
	AL	0704	–	–	–	–		–	–	–	–	–	–
	AL	0505	–	–	–	–		–	–	–	–	–	–
	AL	0805	–	–	–	–		–	–	–	–	–	–
1102	ER	6204	–	–	–	–		–	–	–	–	–	–
	ER	6205	–	–	–	–		–	–	–	–	–	–
	ER PVD	6210	–	–	–	–		–	–	–	–	–	–
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	–	–	–	–		–	–	–	–	–	–
	AL	0205	–	–	–	–		–	–	–	–	–	–
	AL	0305	–	–	–	–		–	–	–	–	–	–
	AL	0405	–	–	–	–		–	–	–	–	–	–
	AL	0704	–	–	–	–		–	–	–	–	–	–
	AL	0505	–	–	–	–		–	–	–	–	–	–
	AL	0805	–	–	–	–		–	–	–	–	–	–

ER, ER PVD | Stainless steel
6204 | Fine matt
6205 | Polished
6210 | Shiny brass

MS | Brass
4305 | Polished waxed
BR | Bronze
7615 | Brightly patinated and waxed

AL | Aluminium
0105 | Natural-coloured anodised F1
0205 | New silver-coloured anodised F2
0305 | Brass-coloured anodised F3
0405 | Bronze-coloured anodised F4
0704 | Dark bronze-coloured anodised B7
0505 | Mid-bronze-coloured anodised C33
0805 | Black anodised C35

Overview of scope of delivery
1106–1108

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1106	ER	6204	●	●	1043	●		●	●	1043	●	○	1043
	ER	6205	●	●	1043	●		●	●	1043	●	○	1043
	ER PVD	6210	●	●	1043	●		●	●	1043	●	○	1043
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	●	●	1043	–		–	–	–	–	–	–
	AL	0105	●	●	1043	●		○	○	1043	○	○	1043
	AL	0205	●	●	1043	●		○	○	1043	○	○	1043
	AL	0305	●	●	1043	●		○	○	1043	○	○	1043
	AL	0405	●	●	1043	●		○	○	1043	○	○	1043
	AL	0704	●	●	1043	●		○	○	1043	○	○	1043
	AL	0505	●	●	1043	●		○	○	1043	○	○	1043
	AL	0805	●	●	1043	●		○	○	1043	○	○	1043
1107	ER	6204	●	●	1177	●		●	●	1177	●	○	1177
	ER	6205	●	●	1177	●		●	●	1177	●	○	1177
	ER PVD	6210	●	●	1177	●		●	●	1177	●	○	1177
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	●	1177	●		●	●	1177	●	○	1177
	AL	0205	●	●	1177	●		●	●	1177	●	○	1177
	AL	0305	●	●	1177	●		●	●	1177	●	○	1177
	AL	0405	●	●	1177	●		●	●	1177	●	○	1177
	AL	0704	●	●	1177	●		●	●	1177	●	○	1177
	AL	0505	●	●	1177	●		●	●	1177	●	○	1177
	AL	0805	●	●	1177	●		●	●	1177	●	○	1177
1108	ER	6204	●	●	1178	●		○	○	1178	○	○	1178
	ER	6205	●	●	1178	●		○	○	1178	○	○	1178
	ER PVD	6210	●	●	1178	●		○	○	1178	○	○	1178
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	●	1178	●		○	○	1178	○	○	1178
	AL	0205	●	●	1178	●		○	○	1178	○	○	1178
	AL	0305	●	●	1178	●		○	○	1178	○	○	1178
	AL	0405	●	●	1178	●		○	○	1178	○	○	1178
	AL	0704	●	●	1178	●		○	○	1178	○	○	1178
	AL	0505	●	●	1178	●		○	○	1178	○	○	1178
	AL	0805	●	●	1178	●		○	○	1178	○	○	1178

ER, ER PVD | Stainless steel
6204 | Fine matt
6205 | Polished
6210 | Shiny brass

MS | Brass
4305 | Polished waxed

BR | Bronze
7615 | Brightly patinated and waxed

AL | Aluminium
0105 | Natural-coloured anodised F1
0205 | New silver-coloured anodised F2
0305 | Brass-coloured anodised F3
0405 | Bronze-coloured anodised F4
0704 | Dark bronze-coloured anodised B7
0505 | Mid-bronze-coloured anodised C33
0805 | Black anodised C35

Overview of scope of delivery
1119–1144

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1119	ER	6204	●	–	●	●		–	–	–	–	–	–
	ER	6205	●	–	●	●		–	–	–	–	–	–
	ER PVD	6210	●	–	●	●		–	–	–	–	–	–
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	–	●	●		–	–	–	–	–	–
	AL	0205	●	–	●	●		–	–	–	–	–	–
	AL	0305	●	–	●	●		–	–	–	–	–	–
	AL	0405	●	–	●	●		–	–	–	–	–	–
	AL	0704	●	–	●	●		–	–	–	–	–	–
	AL	0505	●	–	●	●		–	–	–	–	–	–
	AL	0805	●	–	●	●		–	–	–	–	–	–
1134	ER	6204	–	–	●	–		●	–	●	●	–	●
	ER	6205	–	–	●	–		●	–	●	●	–	●
	ER PVD	6210	–	–	●	–		●	–	●	●	–	●
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	–	–	●	–		●	–	●	●	–	●
	AL	0205	–	–	–	–		–	–	–	–	–	–
	AL	0305	–	–	–	–		–	–	–	–	–	–
	AL	0405	–	–	–	–		–	–	–	–	–	–
	AL	0704	–	–	–	–		–	–	–	–	–	–
	AL	0505	–	–	–	–		–	–	–	–	–	–
	AL	0805	–	–	–	–		–	–	–	–	–	–
1144	ER	6204	●	●	–	●		○	○	–	○	○	–
	ER	6205	●	●	–	●		○	○	–	○	○	–
	ER PVD	6210	●	●	–	●		○	○	–	○	○	–
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	●	–	●		○	○	–	○	○	–
	AL	0205	●	●	–	●		○	○	–	○	○	–
	AL	0305	●	●	–	●		○	○	–	○	○	–
	AL	0405	●	●	–	●		○	○	–	○	○	–
	AL	0704	●	●	–	●		○	○	–	○	○	–
	AL	0505	●	●	–	●		○	○	–	○	○	–
	AL	0805	●	●	–	●		○	○	–	○	○	–

ER, ER PVD | Stainless steel
6204 | Fine matt
6205 | Polished
6210 | Shiny brass

MS | Brass
4305 | Polished waxed
BR | Bronze
7615 | Brightly patinated and waxed

AL | Aluminium
0105 | Natural-coloured anodised F1
0205 | New silver-coloured anodised F2
0305 | Brass-coloured anodised F3
0405 | Bronze-coloured anodised F4
0704 | Dark bronze-coloured anodised B7
0505 | Mid-bronze-coloured anodised C33
0805 | Black anodised C35

Overview of scope of delivery
1146-1159

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1146	ER	6204	●	–	●	●		●	–	●	●	–	●
	ER	6205	●	–	●	●		●	–	●	●	–	●
	ER PVD	6210	●	–	●	●		●	–	●	●	–	●
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	–	●	●		●	–	●	●	–	●
	AL	0205	●	–	●	●		●	–	●	●	–	●
	AL	0305	●	–	●	●		●	–	●	●	–	●
	AL	0405	●	–	●	●		●	–	●	●	–	●
	AL	0704	●	–	●	●		●	–	●	●	–	●
	AL	0505	●	–	●	●		●	–	●	●	–	●
	AL	0805	●	–	●	●		●	–	●	●	–	●
1147	ER	6204	●	●	1146	●		●	●	1146	●	○	1146
	ER	6205	●	●	1146	●		●	●	1146	●	○	1146
	ER PVD	6210	●	●	1146	●		●	●	1146	●	○	1146
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	●	1146	●		●	●	1146	○	○	1146
	AL	0205	●	●	1146	●		●	●	1146	○	○	1146
	AL	0305	●	●	1146	●		●	●	1146	○	○	1146
	AL	0405	●	●	1146	●		●	●	1146	○	○	1146
	AL	0704	●	●	1146	●		●	●	1146	○	○	1146
	AL	0505	●	●	1146	●		●	●	1146	○	○	1146
	AL	0805	●	●	1146	●		●	●	1146	○	○	1146
1159	ER	6204	●	–	●	●		●	–	●	●	–	●
	ER	6205	●	–	●	●		●	–	●	●	–	●
	ER PVD	6210	●	–	●	●		●	–	●	●	–	●
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	–	–	●		●	–	–	●	–	–
	AL	0205	●	–	–	●		●	–	–	●	–	–
	AL	0305	●	–	–	●		●	–	–	●	–	–
	AL	0405	●	–	–	●		●	–	–	●	–	–
	AL	0704	●	–	–	●		●	–	–	●	–	–
	AL	0505	●	–	–	●		●	–	–	●	–	–
	AL	0805	●	–	–	●		●	–	–	●	–	–

ER, ER PVD | Stainless steel
6204 | Fine matt
6205 | Polished
6210 | Shiny brass

MS | Brass
4305 | Polished waxed
BR | Bronze
7615 | Brightly patinated and waxed

AL | Aluminium
0105 | Natural-coloured anodised F1
0205 | New silver-coloured anodised F2
0305 | Brass-coloured anodised F3
0405 | Bronze-coloured anodised F4
0704 | Dark bronze-coloured anodised B7
0505 | Mid-bronze-coloured anodised C33
0805 | Black anodised C35

Overview of scope of delivery
1160–1178

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1160	ER	6204	●	–	●	●		–	–	–	–	–	–
	ER	6205	●	–	●	●		–	–	–	–	–	–
	ER PVD	6210	●	–	●	●		–	–	–	–	–	–
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	–	●	●		–	–	–	–	–	–
	AL	0205	●	–	●	●		–	–	–	–	–	–
	AL	0305	●	–	●	●		–	–	–	–	–	–
	AL	0405	●	–	●	●		–	–	–	–	–	–
	AL	0704	●	–	●	●		–	–	–	–	–	–
	AL	0505	●	–	●	●		–	–	–	–	–	–
	AL	0805	●	–	●	●		–	–	–	–	–	–
1177	ER	6204	–	–	●	–		–	–	●	–	–	○
	ER	6205	–	–	●	–		–	–	●	–	–	○
	ER PVD	6210	–	–	●	–		–	–	●	–	–	○
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	–	–	●	–		–	–	●	–	–	○
	AL	0205	–	–	●	–		–	–	●	–	–	○
	AL	0305	–	–	●	–		–	–	●	–	–	○
	AL	0405	–	–	●	–		–	–	●	–	–	○
	AL	0704	–	–	●	–		–	–	●	–	–	○
	AL	0505	–	–	●	–		–	–	●	–	–	○
	AL	0805	–	–	●	–		–	–	●	–	–	○
1178	ER	6204	–	–	●	–		–	–	●	–	–	○
	ER	6205	–	–	●	–		–	–	●	–	–	○
	ER PVD	6210	–	–	●	–		–	–	●	–	–	○
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	–	–	●	–		–	–	●	–	–	○
	AL	0205	–	–	●	–		–	–	●	–	–	○
	AL	0305	–	–	●	–		–	–	●	–	–	○
	AL	0405	–	–	●	–		–	–	●	–	–	○
	AL	0704	–	–	●	–		–	–	●	–	–	○
	AL	0505	–	–	●	–		–	–	●	–	–	○
	AL	0805	–	–	●	–		–	–	●	–	–	○

ER, ER PVD | Stainless steel
6204 | Fine matt
6205 | Polished
6210 | Shiny brass

MS | Brass
4305 | Polished waxed
BR | Bronze
7615 | Brightly patinated and waxed

AL | Aluminium
0105 | Natural-coloured anodised F1
0205 | New silver-coloured anodised F2
0305 | Brass-coloured anodised F3
0405 | Bronze-coloured anodised F4
0704 | Dark bronze-coloured anodised B7
0505 | Mid-bronze-coloured anodised C33
0805 | Black anodised C35

Overview of scope of delivery
1183

● available
– not available
○ on request

heavy-duty
fire protection
EN 179

			Rose fitting			Glass-door fitting		Framed door fitting			Security fitting		
Model	Material	Colour											
1183	ER	6204	●	●	–	●		●	●	–	○	○	–
	ER	6205	●	●	–	●		●	●	–	○	○	–
	ER PVD	6210	●	●	–	●		●	●	–	○	○	–
	MS	4305	–	–	–	–		–	–	–	–	–	–
	BR	7615	–	–	–	–		–	–	–	–	–	–
	AL	0105	●	●	–	●		●	●	–	○	○	–
	AL	0205	–	–	–	–		–	–	–	–	–	–
	AL	0305	–	–	–	–		–	–	–	–	–	–
	AL	0405	–	–	–	–		–	–	–	–	–	–
	AL	0704	–	–	–	–		–	–	–	–	–	–
	AL	0505	–	–	–	–		–	–	–	–	–	–
	AL	0805	–	–	–	–		–	–	–	–	–	–

ER, ER PVD | Stainless steel
6204 | Fine matt
6205 | Polished
6210 | Shiny brass

MS | Brass
4305 | Polished waxed

BR | Bronze
7615 | Brightly patinated and waxed

AL | Aluminium
0105 | Natural-coloured anodised F1
0205 | New silver-coloured anodised F2
0305 | Brass-coloured anodised F3
0405 | Bronze-coloured anodised F4
0704 | Dark bronze-coloured anodised B7
0505 | Mid-bronze-coloured anodised C33
0805 | Black anodised C35

Projects using various isis® system solutions can be found under

fsb.de/rozet_arnhem (view picture)
fsb.de/rathaus_brakel
fsb.de/gymnasium_bochum
fsb.de/erichkaestner_schule_oelde
fsb.de/st_petri_hoexter
fsb.de/stadskantoor_torhout

Contact persons and digital catalogue
fsb.de/contact and fsb.de/digitalcatalogue

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