GIRA

# Gira data and communication connection technology

## The right connection for any system – in the style of the switch range

Available starting 02/2013

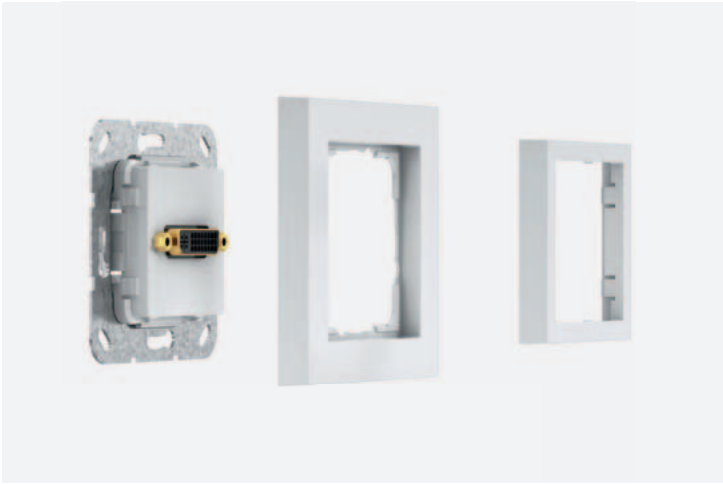
03 Introduction
04 Areas of application
06 Product range
10 Installation
11 Connection types
12 Design variants
14 Additional products
16 Switch ranges
18 More about Gira

# Gira data and communication connection technology

## The right connection for any system – in the style of the switch range

Home entertainment, media presentation, data transfer and much more: Gira data and communication connection technology provides digital and analogue interfaces for all common multimedia and network applications. Because of their integration in the Gira switch ranges, all connections can be installed to match the design of the entire electrical installation, both in private buildings and commercial properties.

**More than 70 components**
The product range includes connections for HDMI, VGA, cinch audio, USB, RJ 45, SAT, loudspeaker cables and more. Both individual interfaces and combination inserts with a variety of connections are available. Many of the functions are available in three models for various connection types: with solder termination, gender changer or breakout cable. In addition, there is an insert with a U-shaped bracket for attaching laptop security locks and a hinged cover.



**Simple installation**
An installation system with plug-in principle ensures fast, safe, simple installation. Because of the separation of function and cover frames, the flush-mounted units can be installed first if desired. The desired design can then be selected during a later construction phase.

**In the style of the switch range**
All interfaces are integrated in the Gira switch ranges. This means both unity of design for the entire electrical installation and a large degree of freedom in selecting colour and frame variants to match any interior.

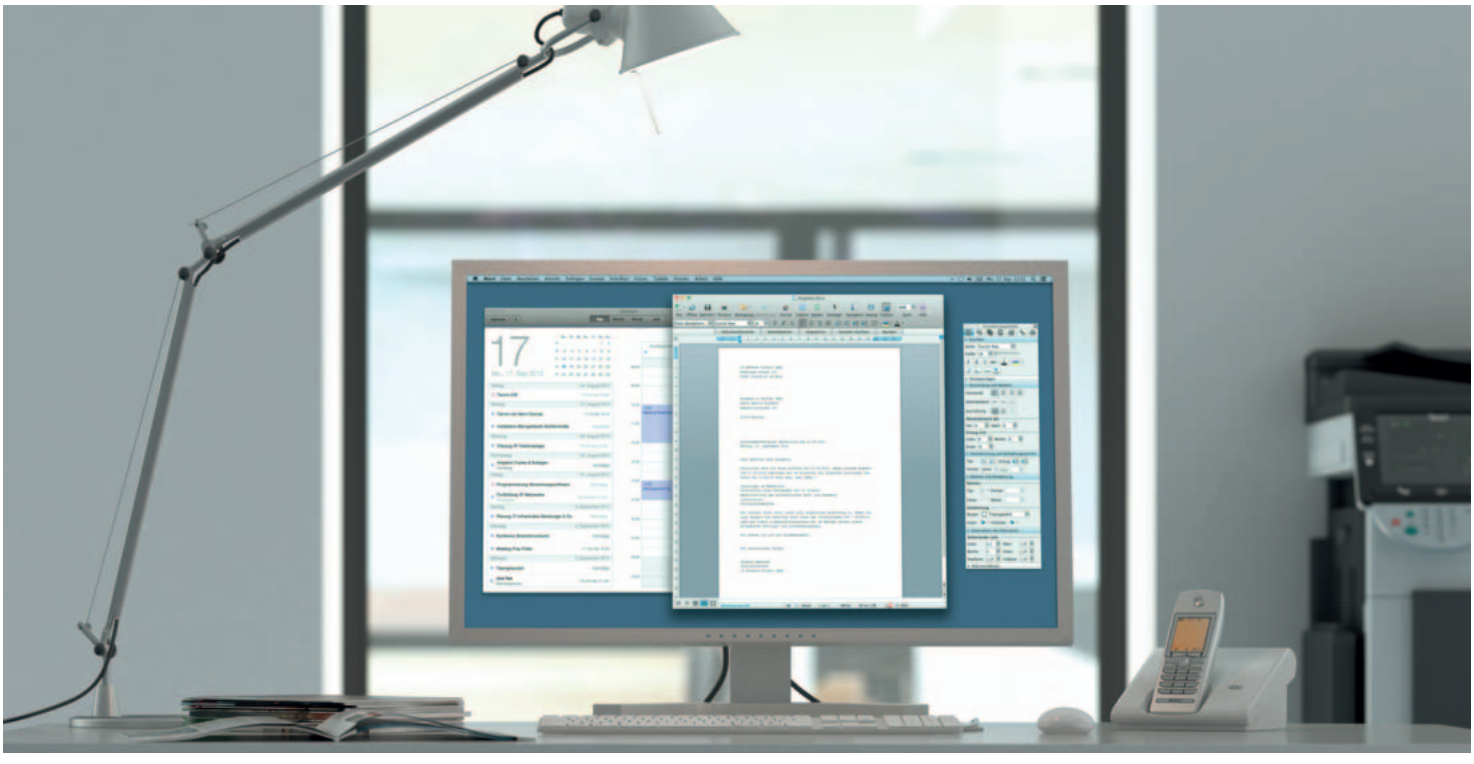
# Diverse areas of application

## Possible applications of Gira data and communication connection technology

Gira data and communication connection technology offers flexible solutions for all applications, whether in a private residence, office, hotel, school, doctors' practice or laboratory. Due to the combination of various interfaces on a function insert, there is a suitable connection available for any application.

Perfectly connected entertainment systems

Suitable connections for all office technology



Optimum audio transmission for hi-fi systems

High-quality solutions for conference rooms

# Gira data and communication connection technology
## Product range

The product range of Gira data and communication connection technology comprises more than 70 components for networking a variety of systems. In addition to inserts with individual interfaces, numerous combinations are available with different connections in one device. Nearly all audio and video components are furnished with high-quality gold plating, which ensures the optimum transmission quality of image and sound.

**Audio**
Whether hi-fi systems or compact systems: with the audio connections of Gira data and communication connection technology, all sound systems can be perfectly connected. Connections for cinch, mini jacks, XLR, WBT nextgen, BNC and loudspeaker cables are available.

Cinch audio

Cinch audio + mini jack 3.5 mm

HDMI ™ high-speed with ethernet + cinch audio

USB 3.0 type A + cinch audio

DVI + cinch audio

VGA + cinch audio

Mini jack 3.5 mm

HDMI ™ high-speed with ethernet + USB 3.0 type A + mini jack 3.5 mm

USB 3.0 type A + mini jack 3.5 mm

VGA + mini jack 3.5 mm

WBT – 0708 Cu nextgen™

WBT – 0710 Cu nextgen™

Cinch audio + composite video

S-video + composite video + cinch audio

S-video + composite video + cinch audio + mini jack 3.5 mm

Loudspeaker connection box, 1-gang

Loudspeaker connection box, 2-gang

Loudspeaker connection box, 4-gang

2 x BNC

XLR pin jack D-series

Cinch audio (Keystone)

Shown in the Gira E2 switch range and pure white glossy finish.
The complete product range of the Gira data and communication connection technology can be found in the current Gira catalogue or at www.katalog.gira.de/en

## Video

For networking DVD players, projectors and other video components: Gira data and communication connection technology offers diverse video interfaces such as S-video, composite video and component video as well as combinations with cinch audio or mini jack.

S-video + composite video

Component video

Cinch audio + composite video

S-video + composite video + cinch audio

S-video + composite video + cinch audio + mini jack 3.5 mm

## TV and entertainment

For full-HD television, game consoles, Blu-Ray players and more: the connection boxes for HDMI and SAT F cables are available in a variety of combinations, e.g. with a USB connection, cinch pin jack or RJ 45 network connection.

HDMI ™ high-speed with ethernet

2 × HDMI ™ high-speed with ethernet

HDMI ™ high-speed with ethernet + USB 3.0 type A

HDMI ™ high-speed with ethernet + cinch audio

HDMI ™ high-speed with ethernet + USB 3.0 type A + mini jack 3.5 mm

HDMI ™ high-speed with ethernet + VGA

SAT F pin jack

HDMI + SAT F pin jack

Modular jack RJ 45 cat. 6A + SAT F pin jack

2 × SAT F pin jack (Keystone)

2 x SAT F pin jack

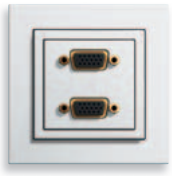
# Gira data and communication connection technology
## Product range

**Graphics**
Whether for flat screens or tube monitors: the DVI and VGA graphic interfaces of Gira data and communication connection technology bring video signals directly out of the wall and onto the screen. Device variants with a cinch connection, mini jack or USB interface are available options.

**Network**
The RJ 45 connection box is indispensable for any company network and also the reliable solution for Internet access for home use. In addition to a space-saving 4-gang combination, 1-gang and 2-gang variants with a 30° angled socket outlet and inscription space are available.

VGA

2 × VGA



VGA + cinch audio

Modular jack RJ 45 cat. 6A

4 × modular jack RJ 45 cat. 6A

Modular jack RJ 45 cat. 6A + SAT F pin jack

VGA + mini jack 3.5 mm

HDMI ™ high-speed with ethernet + VGA

USB 3.0 type A + VGA

Cover plate for network connection box, 1-gang

Cover plate with inscription space for network connection box, 1-gang

Cover plate for network connection box, 2-gang

DVI

DVI + cinch audio

Cover plate with inscription space for network connection box, 2-gang

Cover plate with inscription space for modular jack RJ 45 cat. 6A, 2-gang

Shown in the Gira E2 switch range with pure white glossy finish.
The complete product range of the Gira data and communication connection technology can be found in the current Gira catalogue or at www.katalog.gira.de/en

## Data transfer

For data transfer directly through the wall: the Gira data and communication connection technology product range offers USB connections and Sub D pin jacks in 9-pole and 15-pole variants.

## Accessories

To protect technology in publicly accessible areas, an insert is available with a U-shaped bracket for fastening laptop security locks. A hinged cover is also available, e.g. for connections which are rarely needed or connections which shouldn't be directly visible.

USB 3.0 type A

2 x USB 3.0 type A

HDMI™ high-speed with ethernet + USB 3.0 type A

Insert for fastening laptop security locks

VGA + cinch audio with hinged cover

USB 3.0 type A + cinch audio

USB 3.0 type A + mini jack 3.5 mm

USB 3.0 type A + VGA

Sub D 9-pole

Sub D 15-pole

2 × USB 3.0 type A (Keystone)

# Simple installation

## Installation system with plug-in principle

An installation system with plug-in principle ensures fast, safe, simple installation. Because of the separation of function and cover frames, the flush-mounted units can be installed first if desired. The desired design can then be selected during a later construction phase. Removal, e.g. for renovations, is also made much easier using this system. Many functions are delivered with removable synthetic cover plates to protect connections from dust and dirt.

Fig: The installation system of Gira data and communication connection technology

1.
After wiring with the cables in the wall, the function insert is screwed into the flush-mounted box.

2.
Finally, the cover frame from the desired switch range is positioned over the function insert.

3.
The mounting frame is installed to secure the design frame. A stable insertion mechanism ensures firm positioning.

# Three connection types

## Solder termination, breakout cable and gender changer

Selected interfaces are available in three models for various connection types: with solder termination, breakout cable or gender changer. In this way, both ready-to-connect or self-made cables can be used. For example, this is a particular advantage for difficult installation conditions or when the required plug connectors do not fit through the existing empty pipes.

Fig: The connection types of Gira data and communication connection technology

**Solder termination**
The solder termination offers maximum flexibility in cable fabrication and does not require plug connectors.

**Breakout cable**
The breakout cable can be used e.g. to connect plug connectors which do not fit in the flush-mounted box due to their length.

**Gender changer**
Connections with gender changers are the standard solution for cabling in flush-mounted boxes.

# Design diversity
## All functions in the style of the switch range

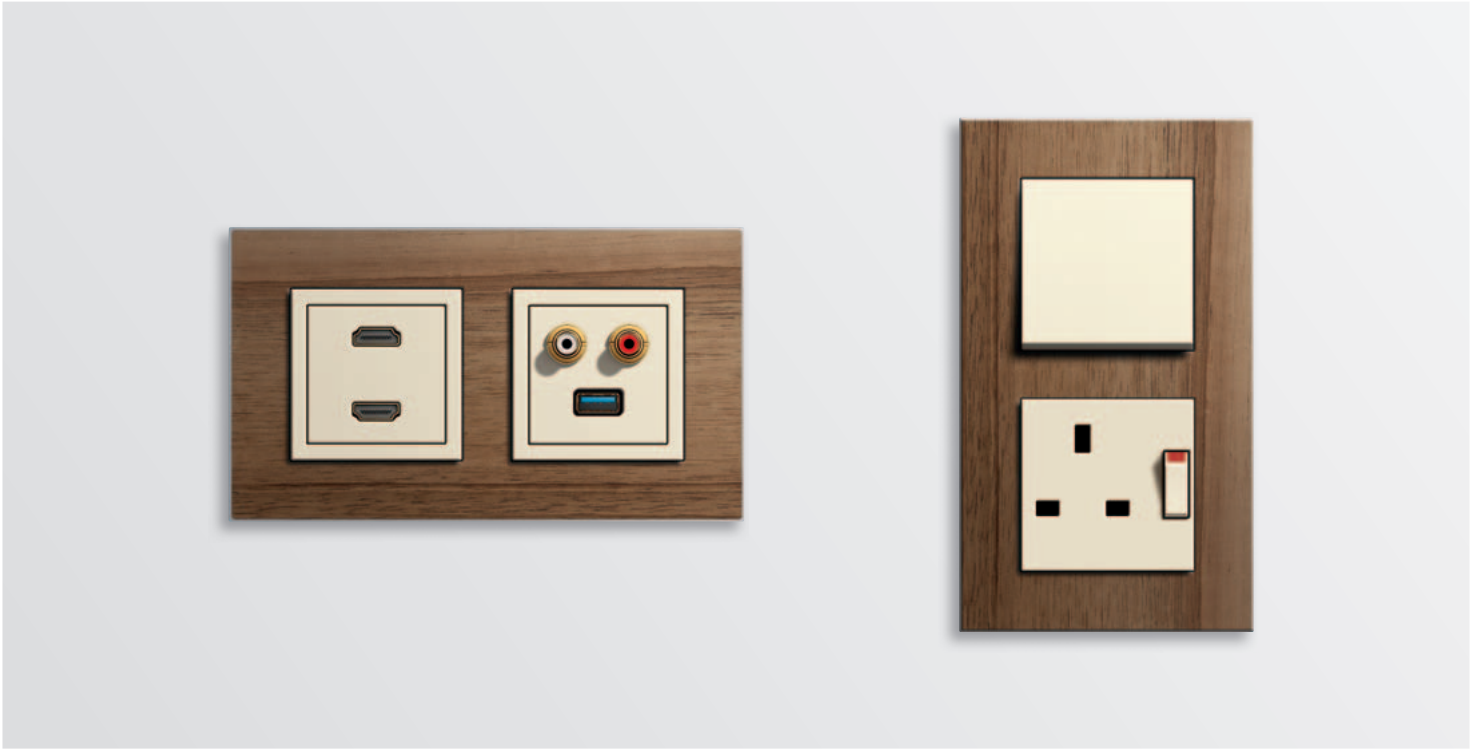
Classic white, exclusive colours and elegant materials such as glass, aluminium or walnut: all interfaces are integrated in the Gira switch ranges and are therefore available in diverse design variants. In this way, the functions of Gira data and communication connection technology can be installed to match any interior.

Fig: 2 x HDMI/USB 3.0 type A + cinch audio, switch/socket outlet "British Standard" can be switched off, Gira E2, pure white glossy

Fig: 2 x HDMI/USB 3.0 type A + cinch audio, switch/socket outlet "British Standard" can be switched off, Gira Event Clear, green/pure white glossy

Fig: 2 x HDMI/USB 3.0 type A + cinch audio, switch/socket outlet “British Standard” can be switched off, Gira E22 Aluminium

Fig: 2 x HDMI/USB 3.0 type A + cinch audio, switch/socket outlet “British Standard” can be switched off, Gira Esprit, walnut-aluminium/cream white glossy



# Intelligent building technology from Gira
## Innovative products, systems and solutions

As a provider of intelligent building technology, Gira features a wide range of products and solutions which provide more convenience, security and value in buildings. All systems are integrated in the Gira switch ranges and set standards both in technology and design.

Illustration (from left to right): Series control switch, Touchdimmer, automatic control switch 2

**Light control**
Diverse products are available for switching and dimming lights: dimmers, push switches, rocker switches, and pull-cord switches in different variants and solutions for automatic and need-based light control.

Illustration (from left to right): Blind control button, key switch, electronic blind controller easy

**Blind control**
The various solutions for electronic blind control ensure more convenience in the home. Blinds, shutters or awnings can be controlled fully automatically. Of course, manual operation is always possible as an alternative.

Illustration (from left to right): Room temperature controller, continuous controller, ambient air sensor $CO_2$

**Air conditioning/heating control**
An ideal room climate can be achieved or maintained with the Gira products for air conditioning and heating control. The product range includes room temperature controllers, continuous controllers and ambient air sensors to measure $CO_2$ concentration in the air, among other products.

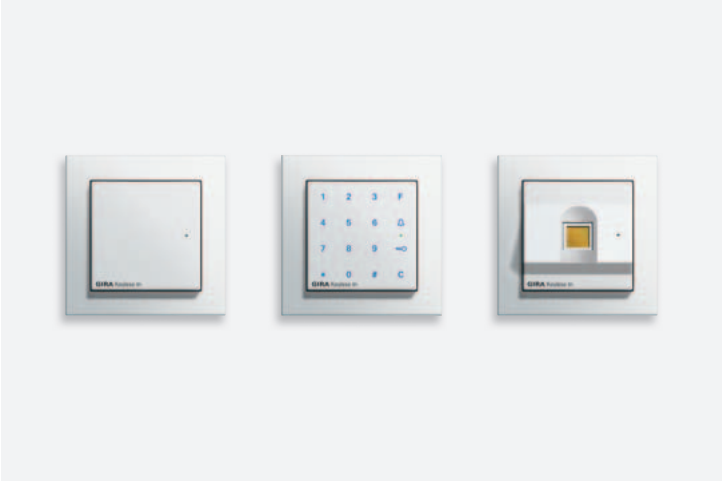
Illustration (from left to right): Gira RDS flush-mounted radio, Gira control unit M217/M218 for the Revox multiroom system

**Music control**
The Gira RDS flush-mounted radio simply sits in the wall – just like light switches and socket outlets. In addition, with the operating units for the Revox multiroom system, Gira also offers a high-quality system solution for music control in the entire home.

Fig: Gira surface-mounted home station video

**Door communication system**
The Gira door communication system provides solutions for all indoor and outdoor requirements. Door intercoms to match the Gira switch ranges, video function, flexible operating options by integrating to IP networks, and much more.

Illustration (from left to right): Keyless In Transponder reader, Keyless In Keypad, Keyless In Fingerprint reader



**Keyless In**
The Gira Keyless In system enables secure access control without keys, using transponders, entering a numeric code or recognising fingerprints, users can conveniently enter rooms and buildings.

Illustration (from left to right): Push button sensor 3 Plus, 5-gang, push button sensor 3 Comfort, 3-gang, push button sensor 3 Basic, 1-gang

**Gira KNX system**
The system for intelligent building technology: KNX. The flexible bus technology enables the automation and central control of the entire electrical installation in the building – which not only offers more convenience and safety, but also saves energy.

Fig: Gira Control 19 Client

**Gira HomeServer**
The Gira HomeServer is the on-board computer for the intelligent house. It controls all the functions of the KNX installation and integrates numerous other technologies seamlessly in the building control. Operation is simple and intuitive via the Gira Control Clients, per smartphones or tablets or on the computer.

# Gira switch ranges

## Award-winning design is our programme

All the functions of Gira data and communication connection technology can be integrated in the award-winning Gira System 55, Gira E22 and Gira F100 switch ranges. The frame variants are available in a wide range of colours and materials to match any interior design style.

**Gira Esprit**

01
Aluminium black/
colour aluminium

02
Aluminium brown/
cream white glossy

03
Walnut-aluminium/
colour aluminium

04
Brass/pure white glossy

05
Aluminium/anthracite

06
Chrome/anthracite

07
Glass black/
colour aluminium

08
Glass mint/
colour aluminium

09
Glass white/
pure white glossy

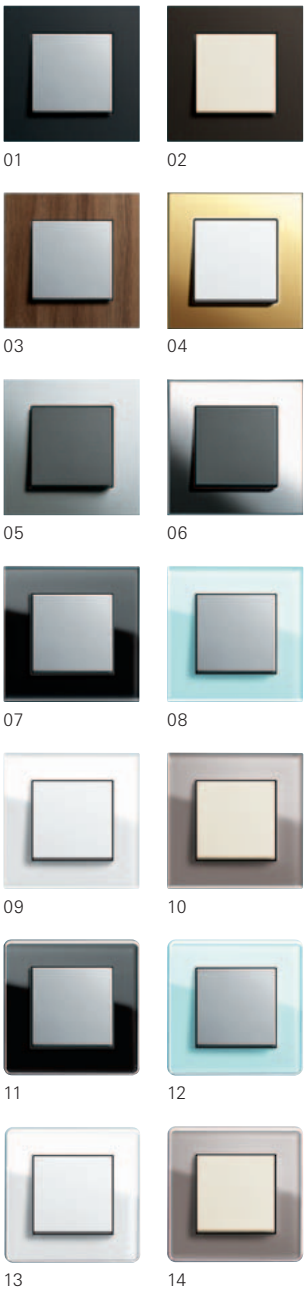
10
Glass umber/
cream white glossy

11
Glass C black/
colour aluminium

12
Glass C mint/
colour aluminium

13
Glass C white/
pure white glossy

14
Glass C umber/
cream white glossy

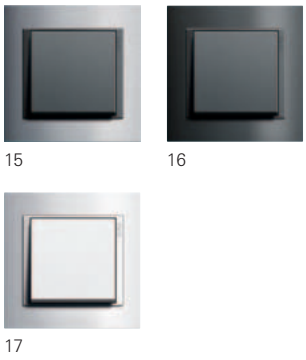



**Gira Event**

15
Colour aluminium/
anthracite

16
Anthracite/anthracite

17
Pure white glossy/
pure white glossy




**Gira Event Clear**

18
Green/
pure white glossy

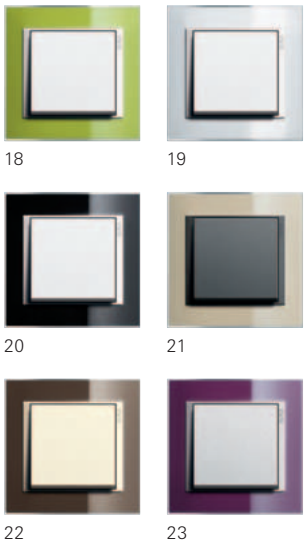
19
White/
pure white glossy

20
Black/
pure white glossy

21
Sand/anthracite

22
Brown/
cream white glossy

23
Aubergine/
colour aluminium




**Gira ClassiX**

24
ClassiX brass-
black/brass

25
ClassiX Art bronze-
cream white/bronze

## Gira Event Opaque

26
Mint/
pure white glossy

27
Blue/
pure white glossy

28
Red/
pure white glossy

29
Orange/
pure white glossy

30
White/
colour aluminium

31
Amber/
colour aluminium

32
Brown/
anthracite

26

27

28

29

30

31

32

## Gira E2

33
Anthracite

34
Colour aluminium

35
Pure white glossy

33

34

35

## Gira Standard 55

36
Pure white matt

37
Pure white glossy

38
Cream white glossy

36

37

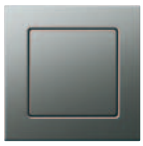
38

## Gira E22

39
Stainless Steel

40
Aluminium

41
Thermoplastic
(pure white glossy)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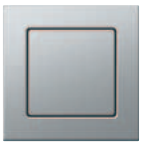
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41

## Gira F100

42
Pure white glossy/
pure white glossy

43
Cream white glossy/
cream white glossy

44
Colour platinum/
pure white glossy

45
Colour chrome/
pure white glossy

46
Brass/
cream white glossy

42

43

44

45

46

More about Gira: Additional information about Gira and the Gira products can be found at www.gira.com. Additional brochures can also be requested from the Gira Information Ordering Service. +49(0)21 95-602-128, Fax +49(0)21 95-602-119, info@gira.com

**www.gira.com**
The Gira website provides you with information on the company and the entire Gira product range. The Gira products are presented with illustrations, a brief description, function and design examples, and detailed technical specifications. Our extensive download area offers brochures, manuals, operating instructions, and further information you may require.

**Intelligent building technology from Gira**
The brochure shows the entire Gira product range and also provides basic information on each product.
Order No. 18601 90

Gira data and communication
connection technology

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