Control systems

CONNECT AND CONTROL

 # 6000-SERIE

G-RAIL®

ALUMINIUM RAIL

› by Goelst

Components

Product design and specification changes reserved.

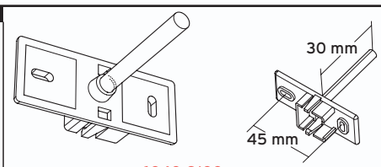
OPERATION

6040-1100

infrared transmitter

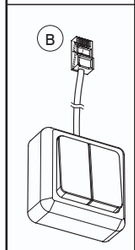
- 15 channels
- programming function
- 24h timer functon
- 5 intermediate curtain positions

(for systems 6200 and 6500 only)



6040-3100

infrared receiver extension (6040-2100) for concealed fixing



6048-1001-03

momentary paddle switch
incl. 4-core data cable 3m
dimensions - 60x60x24mm

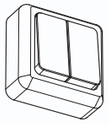
standard cable length 3m,
(special cable length on request).

Switches:

- When using alternative switches, always ensure that two gang momentary switches are used.

Radio frequency control:

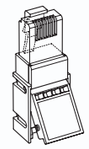
- Radio frequency (RF) remote control available on request.



6048-1001

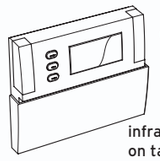
momentary paddle switch
without cable:
Wiring using cable 6034-D4 with connector 6032-RJ45 requires crimping tool 1008-C8-RJ45.
Optional connection using 6032-RJ45-DIY **Please observe RJ45 pin connections.**

ACCESSORIES



6032-RJ45-DIY

8 core RJ45 connector
for self assembly
(crimping tool not required)

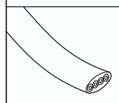


6040-1900

infrared timer unit Wall fixing or on table top with stand incl. batteries and operating manual.
IR transmitter 6040-1100 is required for setting the infrared channels.

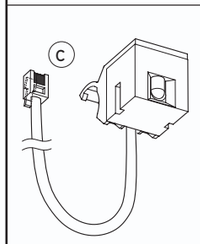
6032-RJ45

8 core RJ45 connector



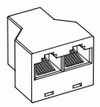
6034-D4-L
6034-D4-rol

4 core data cable, supplied to length or on 100 m reel



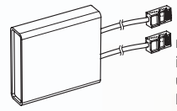
6040-2100-01
6040-2100-05

infrared receiver
with 1m or 5m cable
incl. fixing clip.



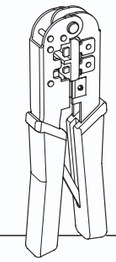
6032-RJ45-S3

splitter – not twisted
3 x 8 core ports



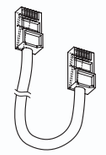
6036-BUS-2001

repeater for BUS systems including more than 32 motor units and/or a total cable length greater than 100 m



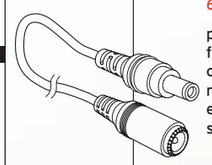
1008-C8-RJ45

crimping tool RJ45
for 6032-RJ45 connector



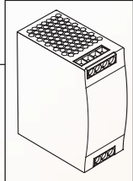
6034-BUS-C2-L
4 core data cable for BUS-connection, pre-assembled to length 2.5, 5, 10, 15 or 20m (A)

6034-D4-C2-L
4 core switch cable type B, cable length on request (B)



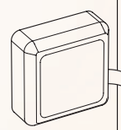
6034-24V-C2

power cable extension for 24V DC (150 cm)
colours: ZW
note: use of power cord extension can reduce system power strength



6030-DR-075: 75 W
6030-DR-120 : 120 W
6030-DR-240: 240 W
6030-DR-480: 480 W

DIN rail transformer
for supplying power to multiple systems



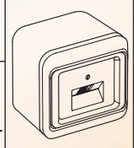
6036-1001 outlet plate for use with DIN rail transformers incl. 50 cm cable with 24V DC and RJ45 connectors,

6034-D4-C1 (B)

6034-24V-C1

50cm

cables also available separately (120 cm)



6036-RJ45-1101 : for 230V,
6036-RJ45-1201 : for 12V,
6036-RJ45-1301 : for 24V,
6036-RJ45-1401 : for 110V,
(surface mounted)

switching relay for use with existing power supply
incl. 1m cable: 6034-D4-C2

CONNECT AND CONTROL

 # 6000-SERIE

(A) (B) (C) : please refer to RJ45 pin connections.

G-RAIL®

Space for dealer address

12/2005

G-Rail series 6000 electrically operated curtain tracks with 'built-in' CAN-BUS switching allows for stand alone programming and control or integration with most Home Automation systems. Infrared remote control is supplied as standard with all 6000 series electrically operated curtain tracks.
Optional manual switching and wireless radio control (RF) are available allowing multi-control options.

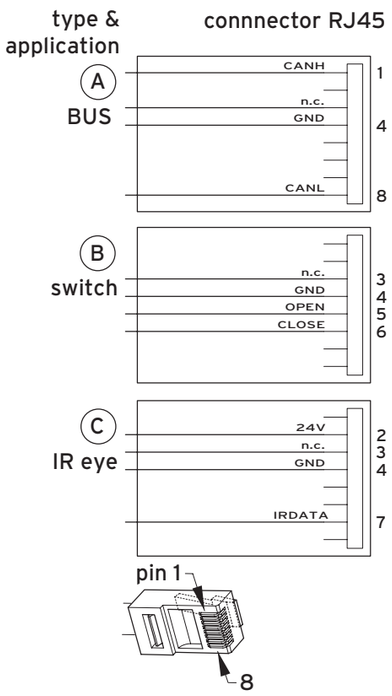
CONNECT AND CONTROL

 # 6000-SERIE

Control of G-Rail > **series 6000** electrically operated curtain tracks.

Connecting the G-Rail CAN-BUS system.

RJ45 pin connections A, B and C



properties of electrically operated curtain rail

- standard infrared control: 3 bands each with 5 channels (total 15 channels), remain ajustable after installation.
- In the event of a power cut, the Infrared channels and key positions in the motor unit will be retained.
- motor speed settings and CAN-BUS facilities factory-set by Goelst.

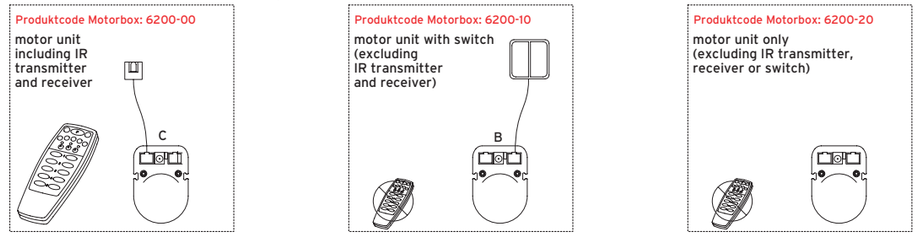
properties of G-Rail CAN-BUS

- The switching current is +/- 5,5mA.
- press and hold more than 1,2 sec: the system runs until button is released.
- pulse under 1,2 sec: - automatic complete open/close/ stop.
- When activated together, open and close buttons will switch the motor unit to program mode.
- Potential free switching only
- 24V DC output - pin2 and pin4: max. 2,4VA
- Bounce time lower than 0,04 sec required.
- Pins 1 & 8 should not be used.

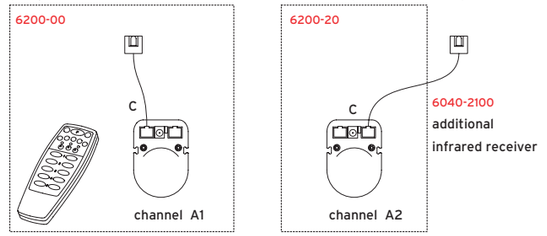
Examples of standard configurations using infrared control or switches.

- All motor units supplied with 24V transformers (not shown)
- Including: RJ45 pin connections A (BUS), B (switch) & C (IR).
- Examples valid for all 6000-series motors

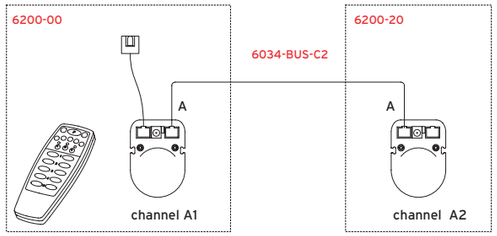
Example 1: Standard motor unit for system 6200 (Tandem version includes 1 extra motor unit to include 15m BUS cable)



Example 2: two unconnected systems, using one infrared transmitter and two infrared receivers
(single IR receiver 6040-2100 included in set option 6200-00).

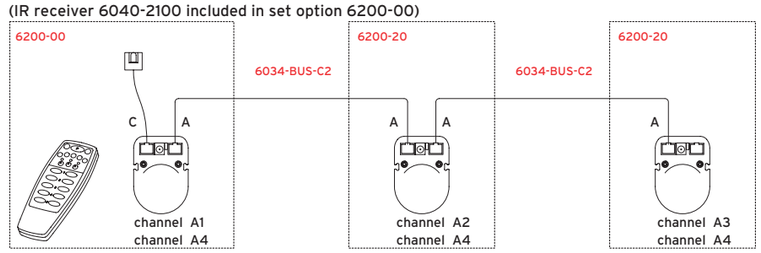


Example 3:
two connected systems with BUS cable: with one infrared receiver for control of both systems (IR reciever 6040-2100, included in set option 6200-00)

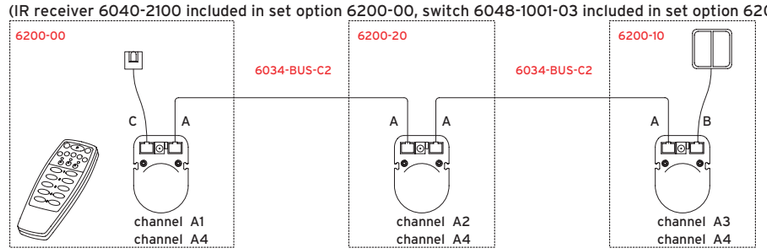


*) maximum 32 motor units can be connected using BUS cable format.

Example 4:
One infrared receiver to operate three systems either inividually or by group.
(IR receiver 6040-2100 included in set option 6200-00)



Example 5:
Single infrared receiver operating three systems inividually or by group. Also including single switch or manual group operation.
(IR receiver 6040-2100 included in set option 6200-00, switch 6048-1001-03 included in set option 6200-10).



standard switch function
is for simultaneous group control.

Example 6:
In larger system layouts, an extra infrared receiver can be inserted as shown in motor unit 3,
e.g. to enhance the operational range of the infrared transmitter.