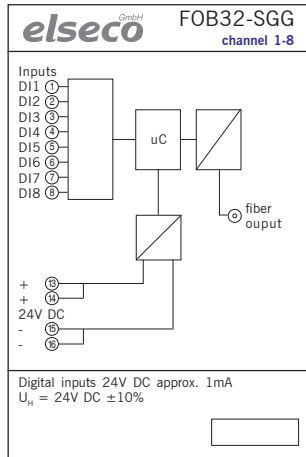


Important informations:

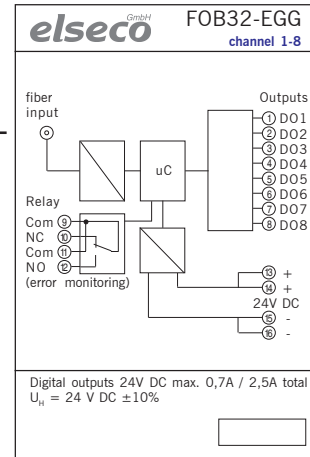
1. Do **not** connect several FOB32-SGG (transmitter base unit) and/or FOB32-EGG (receiver base unit) via bus connection during operation.
2. Do **not** connect more than 1 expansion unit with the same address to the basic unit. Only 1 device with one of the following addresses alle allowed: Adr. 2 (channel 9-16), Adr. 3 (channel 17-24) and Adr. 4 (channel 25-32).
3. The expansion units are supplied internally via the device bus, but can also be connected separately via the terminals. But do **not** connect different potentials to basic and expansion units, because terminals and device bus are internally connected.
4. Changes since **S/N 18110019**: Switching behavior of the relay contact can now be selected. See page 2.

FOB32 (basic units)



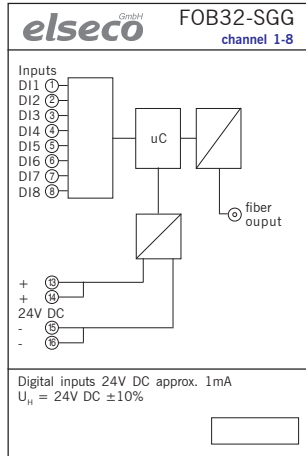
unidirectional
 Transmission of switching, control, clock and syncing signals

fiber optic cable (1 fiber)
 e.g.
 G50/125um or G62,5/125um
 or E9/125um
 (depending on device version)

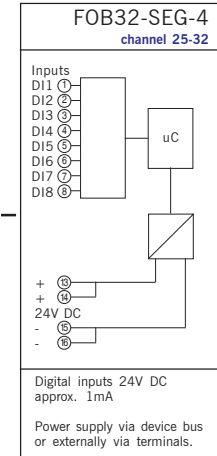
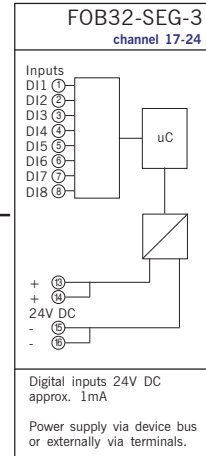
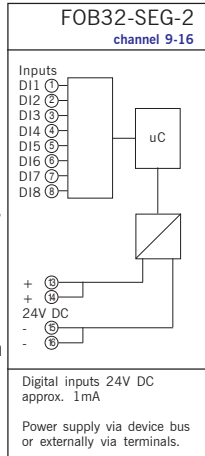


Reference potential for the digital inputs and outputs is 0V (GND or -24V).

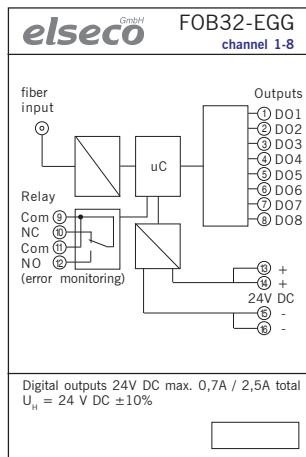
FOB32 transmitter with expansion units (max. 3)



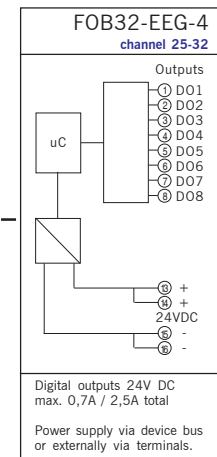
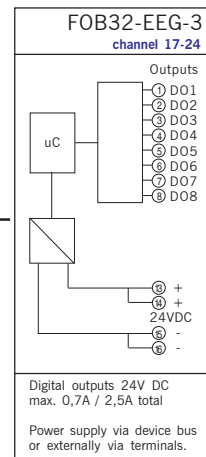
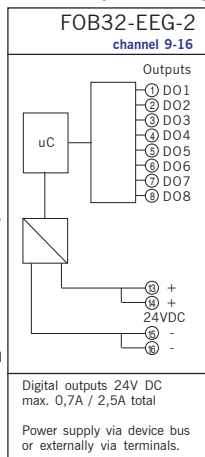
device bus
 10 pins
 Power supply
 +
 communication



FOB32 receiver with expansion units (max. 3)



device bus
 10 pins
 Power supply
 +
 communication



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IMPORTANT informations for FOB32-EGG (receiver base unit):

Changes since S/N 18110019 (week 11 in 2018):

Until now, the relay contact (change-over contact) in the FOB32-EGG has only been activated in the event of an error (= no valid protocol from the transmitter). That behavior was not intrinsically safe!

From the mentioned serial number, the switching logic can be changed by switching an internal jumper between the previous switching behavior and the new intrinsically safe version (recommended).

That means, that the relay is activated during normal operation and drops off in the event of an error.

From now on, we will deliver all FOB32-EGG in the new intrinsically safe version.

If you want to keep the previous, but not intrinsically safe switching behavior, you can change this on your own. Please note that the housing of the device FOB32-EGG has to be opened and the red jumper has to be switched internally.

IMPORTANT:

Be sure to take the following precautions if you want to switch the jumper.

1. Disconnect the device from the power supply before opening!
2. Work only in a ESD protected area!
3. to grip the jumper please use a suitable insulated tweezer or flat-nose pliers.



NEW: Relay contact is activated during normal operation and drops off in the event of an error.
e.g. if no valid protocol is received in case of a damage or power failure at the transmitter.
In that cases the NO contact opens und the NC contact closes.
= intrinsically safe



previous **non-intrinsically safe** switching behavior:
The relay contact is only actively activated in the event of an error.
That means, that the switching state in the case of a damage or power failure corresponds to the switching state during the normal operation.

In both cases, you can decide by selecting the appropriate terminal connections, whether you want to use the relay contact as normally open (NO) or normally closed (NC).