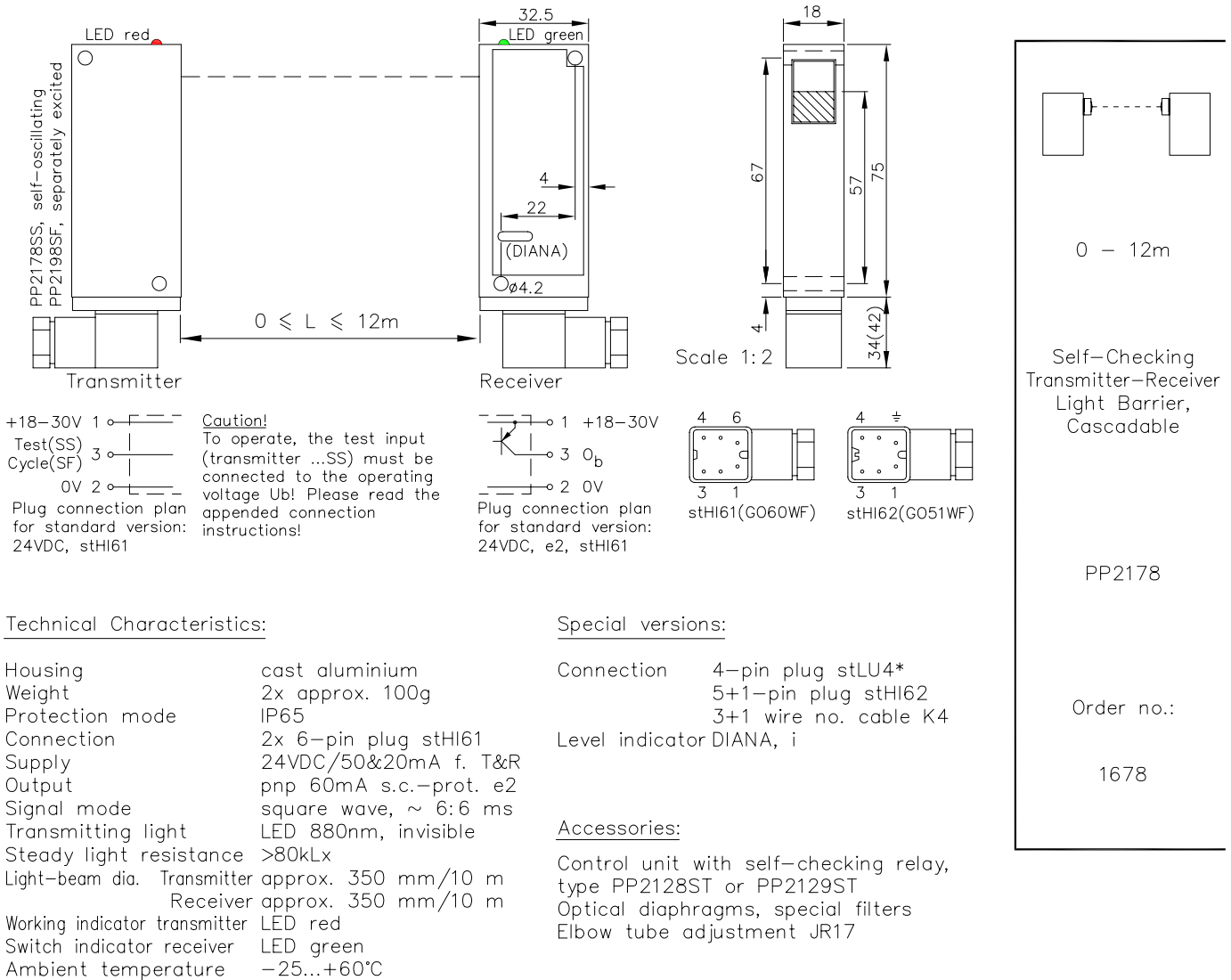


## Self-Checking Transmitter-Receiver Light Barrier, Cascadable Type PP2178



Notes on use:

This light barrier is principally used as a safety light barrier. A control unit with self-checking relay, e.g. PP2128ST, is necessary for this.

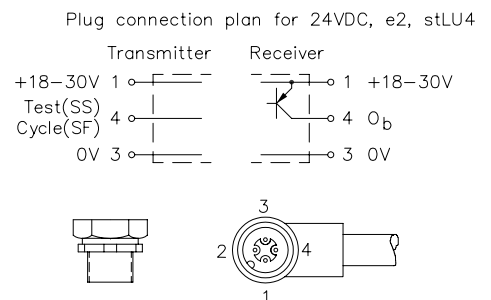
The special feature here is that several light barriers can be connected together into one light grid. Transmitters and receivers are then mounted alternatively in one row, whereby the output signal of one receiver drives the clocked pulse at the input of the following transmitter. In each case, the first transmitter has the type designation PP2178SS and can be tested externally, while the following transmitters have the designation PP2178SF and cannot be tested. The last receiver's output signal is directed into the control unit.

The transmitter input "test" makes it possible at the first transmitter to test the entire system. Terminal test connected to 0V = transmitter turned off, terminal test to + operating voltage = transmitter is working.

In the arrangement as light grid it must be ensured in all cases that the distances between the light barriers above each other are large enough that a transmitter only lights the receiver above it because otherwise the safety function will be actuated. See also the special operating instructions.

The level indicator "DIANA" (Digital ANALog indicator) indicates approximately 20 to 25 times the levels above the response threshold. It is not necessary to have all DIANA LED's on for the light barrier to function perfectly. \*E\_ 1678 1.TXT\*

4-pin Plug stLU4:\*



1678 DE (14.04.05 m) 27.06.05 tb  
 E\_ 1678 1 (19.11.03 gs) (18.02.05 m)