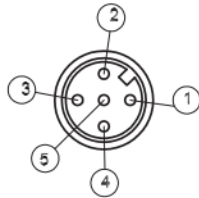


**Application Note**  
**Substitute**  
**Model SD2Rxx-yyyy**  
**Series Solid 2**

## General Information

- Replacing an Solid 2 light curtain with following wiring:

### Receiver Standard



- 1 = brown
- 2 = white
- 3 = blue
- 4 = black
- 5 = grey

- Replacement

- Either MLC500Txx-yyyy + MLC510Rxx-yyyy or MLC300Txx-yyyy + MLC310Rxx-yyyy
- Wiring is identical if the application is connected with 24V on Pin 4 Transmitter
- Transmitter function of PIN4 is changed from test input to range selector input
- Eventually the mounting holders need to be changed in addition, please have a look to

the next page

### **Note:**

xx = resolution; yyy = protective field height



# Substitute model SD2\* to MLC\*

## Mechanical adaption



OLD



NEW



BT-360-Set



BT-2HF

**Note:**

The hole pattern of the BT-360-Set is identical with the hole pattern of the BT-2HF.

## Attention

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### Note:

Please pay attention to the following points:

- Only the MLC310 plus MLC300 or MLC510 plus MLC500 transmitter may be replaced together
- There is no need to change the cables. The requirements for both units to the cables are equal.
- The OSSD – pulse pattern of the units are different. The MLC320 and 520 is compatible with most of the safety inputs.
- For an exchange of a Solid2 in a existing machine, a MLC320 system is sufficient. The units are technical equal. The reduced performance level from PL-d to PL-c stems from the change of the standard EN / IEC 61496-1. This change is not a major change (EU 2009/104/EG)
- different response time / MLC – series provide usually a faster response
- If the Solid was connected to a safety relay with test loop (if Pin 4 of transmitter is NOT connected with 24V) the replacement need to be changed to a MLC502 transmitter and a MLC510 receiver.

### Any questions!?



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## Did you know...

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