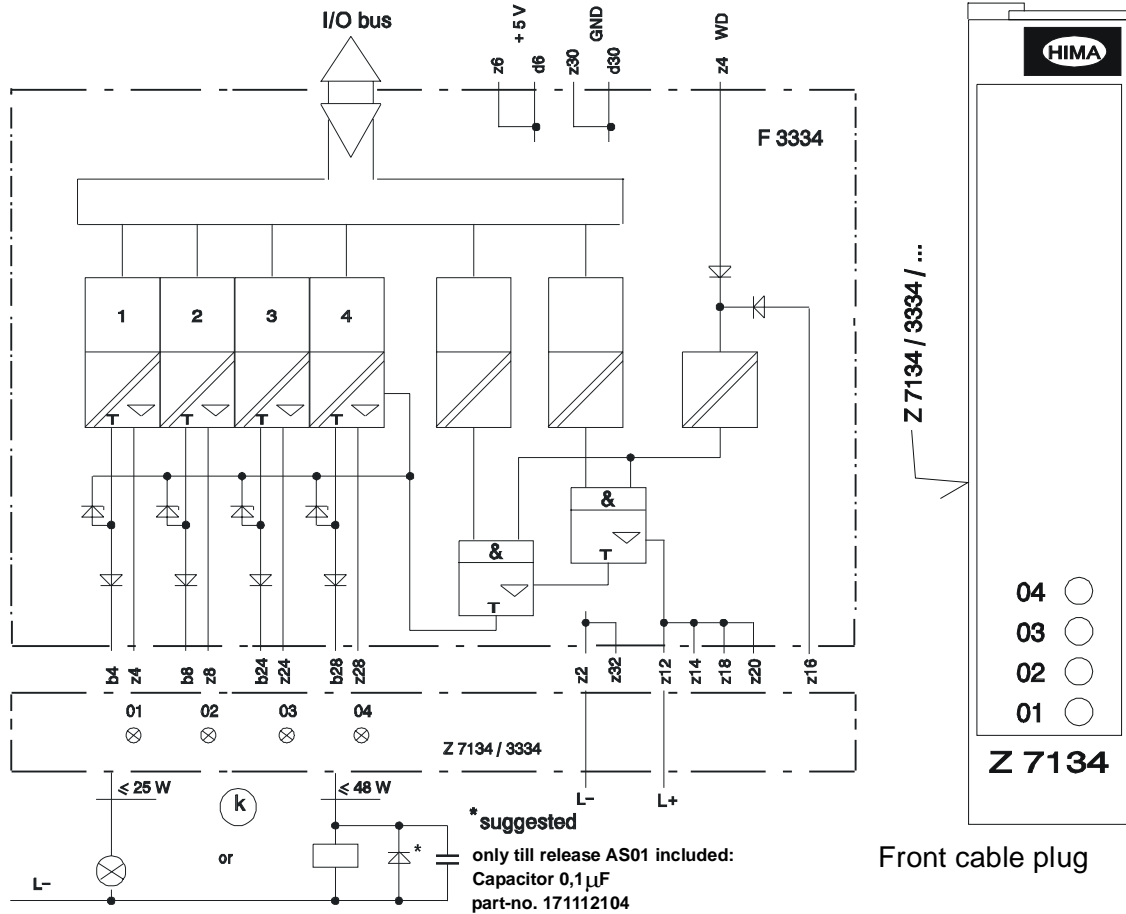




F 3334

**F 3334: 4 fold output module,  
safety related**

resistive load or inductive load up to 2 A (48 W),  
lamp connection up to 25 W, with integrated safety shutdown,  
with safe isolation, with line monitoring,  
no output signal with break of the L- supply  
requirement class AK 1 ... 6



The module is automatically tested during operation. The main test routines are:

- Reading back of the output signals. The operating point of the 0 signal read back is  $\leq 6,5\text{ V}$ . Up to this value the level of the 0 signal may arise in case of a fault and this will not be detected
- Switching capability the test signal and cross-talking (walking-bit test)
- line monitoring.

**Outputs**

Internal voltage drop

Admissible line resistance (in + out)

Undervoltage tripping

Operating points

short circuit current

line break

Outp. leakage current

Output voltage if output is reset

Current input WD

Duration of the test signal

Space requirement

Operating data

2 A, (k) short circuit proof

max. 2 V at 2 A load

max. 3.6 Ohm

at  $\leq 16\text{ V}$ 

2.6 ... 5 A

0.5 ... 9.5 mA

max. 550  $\mu\text{A}$ 

max. 1.5 V

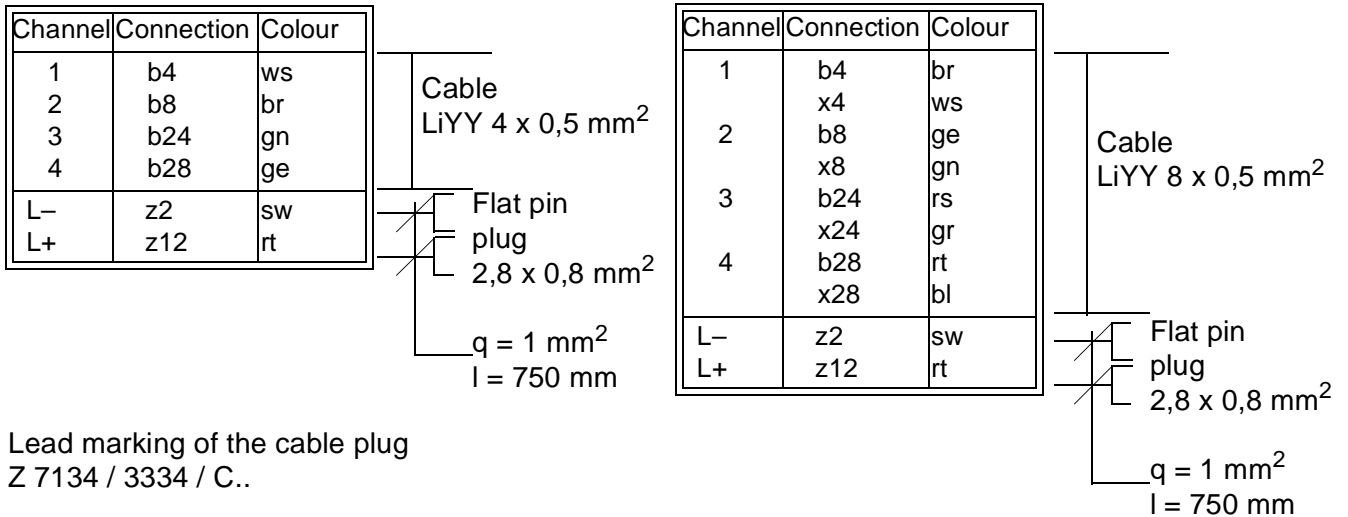
max. 30 mA

max. 250  $\mu\text{s}$ 

4 TE

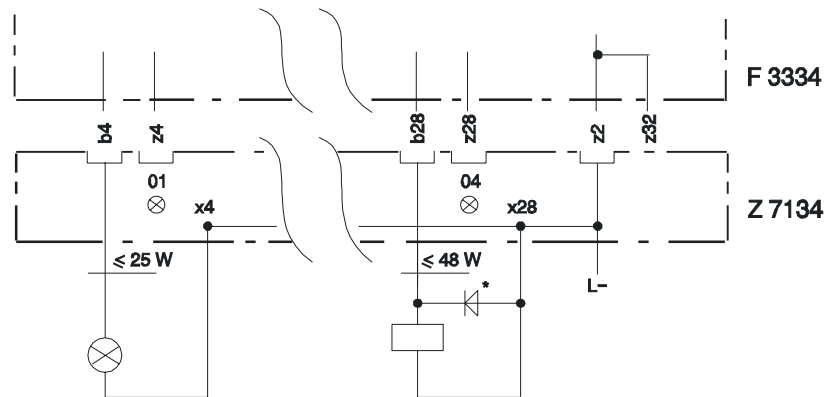
5 V DC: 130 mA

24 V DC: 130 mA in add. load



Lead marking of the cable plug  
Z 7134 / 3334 / C..

Lead marking of the cable plug  
Z 7134 / 3334 / C.. / P2  
2-pole connection



\*suggested

2-pole connection

### Planning hints

- line break monitoring requires a minimum load of 10 mA. Use of the signal "line break" in the user's program up to requirement class 3.
- at the same time only 2 channels may be operated with the max. load (2 A). If the load is up to max. 1 A, all channels may be operated at the same time
- max. 10 output modules with nominal load may be used in one IO rack
- can be paralleled without external diodes

Appertaining softw. building block: HB-BLD-. (for current version refer to the description of the operating system).

In conjunction with decided 25 W lap types problems may occur caused by too high making current.

To prevent this at building block HB-BLD-. at input "INRUSH CURRENT IN ms" a time between 1 to 50 ms might be set to suppress the fault signal. The duration of the test then will be exceeded to the maximum of the entered time if this input is occupied.