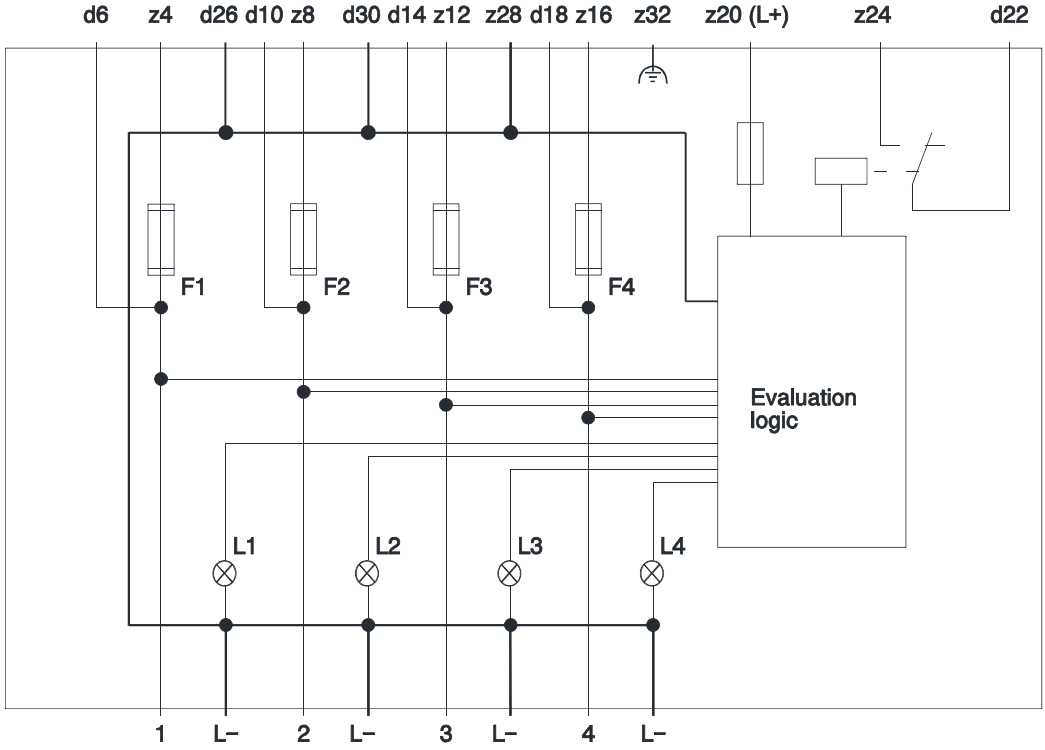
F 7133

F 7133: 4-channel power distribution

with fuse monitoring and L- distribution



Block diagram

Front view

Figure 1: F 7133 4-channel power distribution

The module has four miniature fuses with assigned LEDs. The fuses are monitored via an evaluation logic, and the state of each circuit is signalized to the related LED.

The contact pins 1, 2, 3, 4 and L- on the front side serve to connect L+ or EL+ and L- to supply the I/O modules and the sensors.
The contacts d6, d10, d14, d18 serve as rear terminals for 24 V supply of one I/O slot each.

Fuses	max. 4 A slow blow
Switching time	approx. 100 ms (relay)
Loadability of the relay contacts	30 V / 4 A (continuous load)
Residual voltage in case of fuse tripped	0 V
Residual current in case of fuse tripped	0 mA
Residual voltage in case of missing supply	max. 3 V
Residual current in case of missing supply	< 1 mA
Space requirement	4 SU
Operating data	24 VDC / 60 mA

If all fuses are in order, the relay contact d22-z24 is closed. If a fuse is not equipped or faulty, the relay will be deenergized. Faults are announced via the LEDs as follows:

Supply voltage for path	**Fuse**	
	in order	faulty/missing
exists	LED on	LED flashing
fails	LED off	LED flashing

Table 1: LED displays

Note If the module is not wired all LEDs are off.

If the input voltage is missing in case of current paths connected together, no statement about the different fuses can be made.