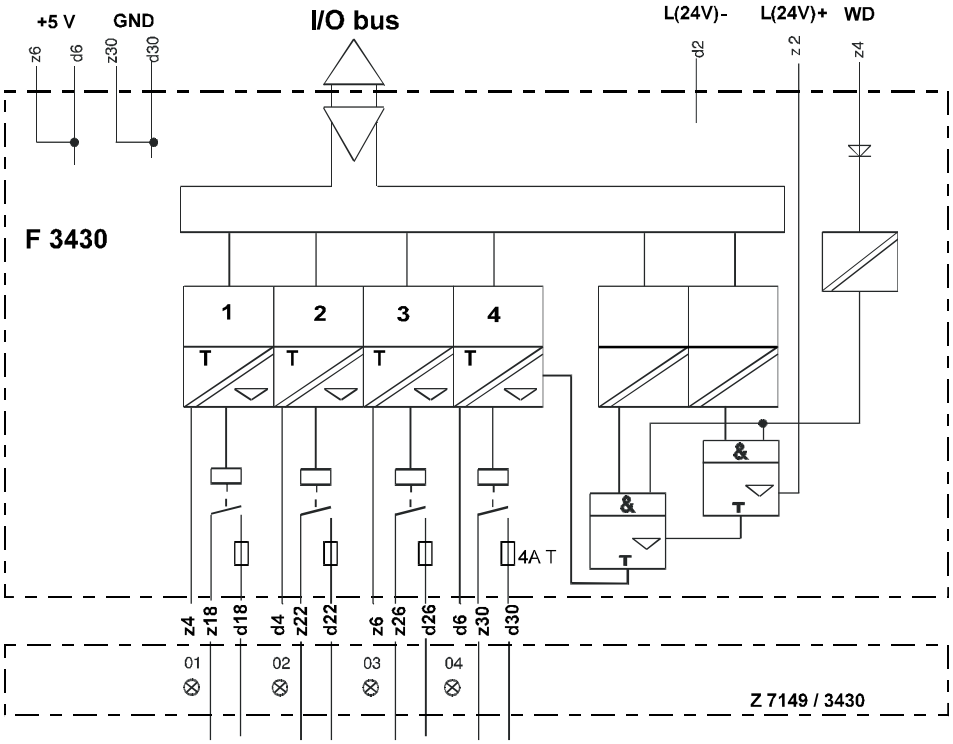
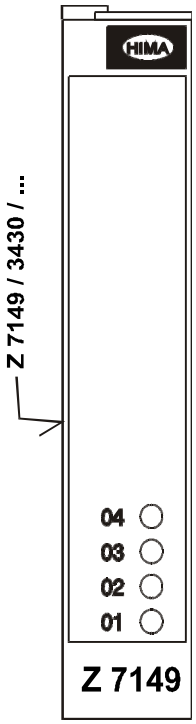
F 3430

F 3430 4-fold relay module, safety related
Switching voltage ≥ 5 V, ≤ 250 V AC / ≤ 110 V DC,
with integrated safety shutdown,
with safety isolation, with 3 seriel relays (diversity),
solid state output (open collector) for LED display in the cable plug
requirement class AK 1 ... 6



Block diagram



Front cable plug

Relay output	NO contact, dust-tight
Contact material	Silver alloy, gold-flashed
Switching time	approx. 8 ms
Reset time	approx. 6 ms
Bounce time	approx. 1 ms
Switching current	10 mA ≤ I ≤ 4 A
Life, mech.	≥ 30 x 10^6 switching operations
Life, elec.	≥ 2.5 x 10^5 switching operations with full resistive load and ≤ 0.1 switching operations/s
Switching capacity AC	max. 500 VA, cos φ > 0.5
Switching capacity DC (non inductiv)	up to 30 V DC: max. 120 W up to 70 V DC: max. 50 W up to 110 V DC: max. 30 W
Space requirement	4 TE
Operating Data	5 V DC: < 100 mA 24 V DC: < 120 mA

The module has a safe isolation between the input and the output contact, according EN 50178 (VDE 0160). The clearance in air and the creepage distance are dimensioned for overvoltage class III up to 300 V.
When the module is used in safety controls the output circuits can be fused with max. 2.5 A.

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HIMA Paul Hildebrandt GmbH + Co KG, Postfach 1261, 68777 Brühl

Channel	Connection	Colour
1	z18	ws
	d18	br
2	z22	gn
	d22	ge
3	z26	gr
	d26	rs
4	z30	bl
	d30	rt

Cable
LiYY 8 x 1.5 mm^2

Lead marking of the cable plug
Z 7149 / 3430 / C..