

F3330

8-fold safety-related digital output module

The F 3330 output module switches eight documented field loads and includes automatic output testing, integrated safety shutdown and safe isolation. The original sheet distinguishes resistive, inductive and lamp-load limits.

8 OUTPUTS

Eight controlled field output channels.

LOAD

Resistive or inductive load up to 500 mA / 12 W.

LAMP

Direct lamp connection up to 4 W.

TESTING

Automatic readback and walking-bit testing during operation.

INTERFACE	HIMA RECORD
Safety function	Integrated safety shutdown; safe isolation; no output signal if L- supply breaks.
Automatic tests	Output signal readback and switching/crosstalk walking-bit test.
Short-circuit threshold	Operating point 0.75-1.5 A per original sheet.

EXACT-MODEL BOUNDARY

Do not treat similar F333x cards as interchangeable; verify the exact output plug, load and installed safety logic.

MANUFACTURER BASIS

HIMA Paul Hildebrandt GmbH + Co KG, F 3330 (9912) Overview Data Sheets, pp. 1-2

Factual operating values

PARAMETER	HIMA DATA
Output current	Up to 500 mA per channel
Load type	Resistive or inductive, up to 12 W
Lamp connection	Up to 4 W directly
Internal voltage drop	Maximum 2 V at 500 mA
Line resistance	Maximum 11 ohm, outward and return
Undervoltage trip	At 16 V or below
Output leakage	Maximum 350 microampere
Reset output voltage	Maximum 1.5 V
Test pulse duration	Maximum 200 microseconds

Inductive load

Use the diode arrangement specified on the original HIMA diagram.

Front plug

Z 7138 / 3330 / C.. or documented P2 cable variant.

Channel contacts

Eight output channels mapped to b2-b16; confirm variant-specific plug.

INTERPRETATION

These are manufacturer-stated module values, not a substitute for the installed safety design, cable-plug variant or cabinet acceptance record.

DOCUMENT CONTROL

HIMA Paul Hildebrandt GmbH + Co KG, F 3330 (9912) Overview Data Sheets, pp. 1-2