



Interfaces for input expansion

With the interface modules, the number of safety inputs and outputs can be increased. A large number of safety functions can be monitored by cascading multiple modules.

Product characteristics

- Up to PLd in accordance with EN ISO 13849-1 and SIL2 in accordance with IEC 61508
- Screwless terminals for easy installation
- Status diagnostics via control outputs and LEDs
- Number of sensors can be increased to 4 per sensor input.
- By cascading, it is possible to connect up to 64 sensors to one safety control unit*

* To achieve the maximum performance level, it is necessary to integrate the control outputs in the evaluation (start interlock in the event of a fault). If interfaces are cascaded, this can result in a reduction of the maximum performance level PL. Connection examples are available from elobau.

Technical drawing

IMAGE 1/6

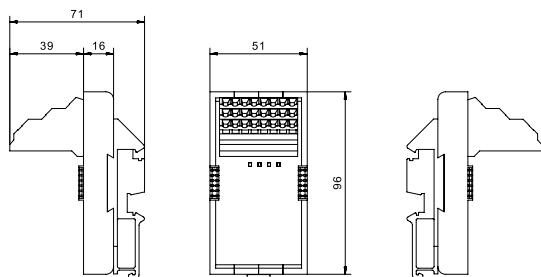


IMAGE 2/6

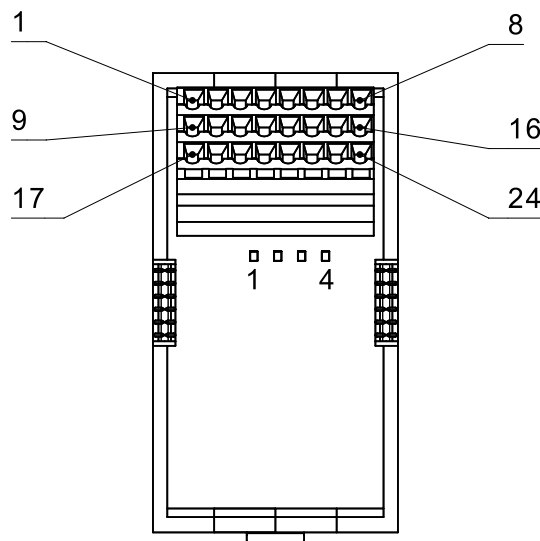


IMAGE 3/6

363096K30

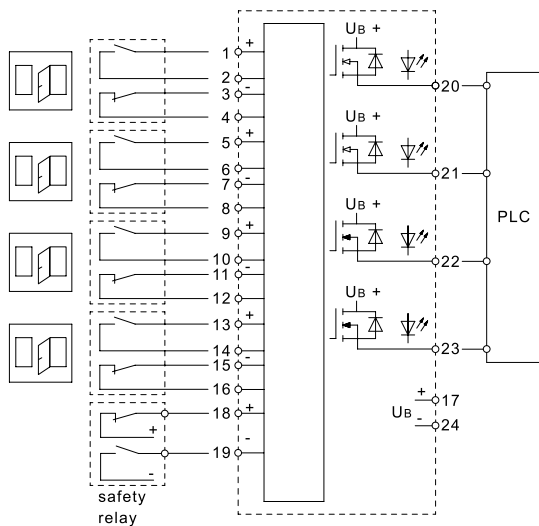


IMAGE 4/6

363G96K30

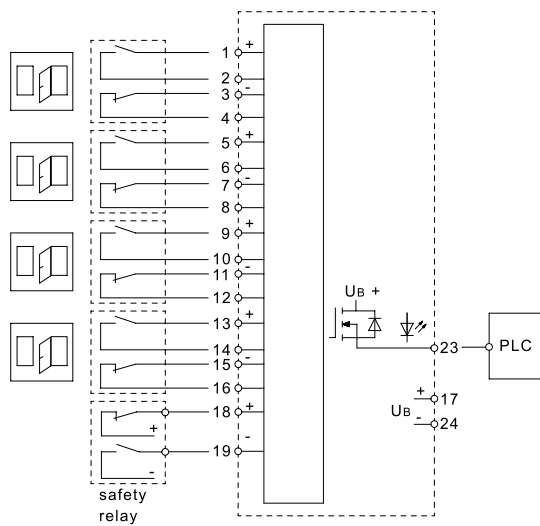


IMAGE 5/6

363V97

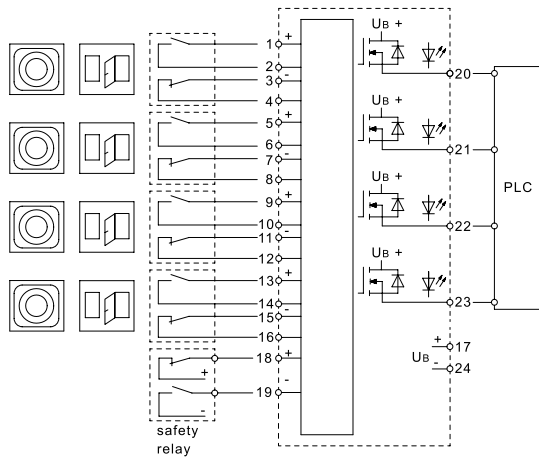
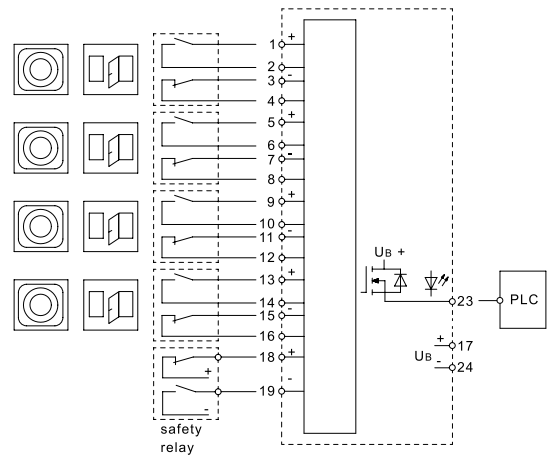


IMAGE 6/6

363.97



Electrical data

Attribute	363G96K30	363G97	363V97	363096K30
Max. switching voltage at safety output	26.4 V DC			
Max. switching voltage at control output	26.4 V DC			
Max. switching current per channel	0.02 A			
Number of electronic safety outputs	1			
Number of electronic control outputs	1		4	
Number of redundant safety inputs	4			
Operating voltage min.	21.6 V DC			
Operating voltage max.	26.4 V DC			
Current consumption	100 mA			
Power consumption	2.4 W			
LED display	single-coloured			
Operating time	3000 ms			
Fuse operating voltage	1A slow blow			
Pollution degree	1			
Protection class	III			
Overvoltage category	III			
Contact form	NO/NC			

Safety-related characteristics

Attribute	363G96K30	363G97	363V97	363096K30
PL acc. to EN ISO 13849-1	d			
SIL acc. to IEC 61508	2			
SIL CL acc. to IEC 62061	2			
PFHD according to IEC 61508	1,8*10 ⁻⁸ 1/h	1,05*10 ⁻⁸ 1/h		1,8*10 ⁻⁸ 1/h
Category acc. to EN ISO 13849-1	3			
Mission time in years	20 a			

Mechanical data

Attribute	363G96K30	363G97	363V97	363096K30
Dimensions	96 x 51 x 56 mm (H/B/T)			
Housing colour	schwarz			

Material information

Attribute	363G96K30	363G97	363V97	363096K30
Housing material	PA			

Environmental conditions

Attribute	363G96K30	363G97	363V97	363096K30
Protection class	IP00 DIN EN 60529			
Protection class, installation space	IP54 DIN EN 60529			
Operating temperature min.	0 °C			
Max. operating temperature	55 °C			
Relative humidity	5 - 85 %			
Min. storage temperature	0 °C			
Max. storage temperature	55 °C			
Shock resistance (Norm)	30 g / 11 ms			
Continuous shock resistance (Norm)	10 g / 16 ms			
Vibration resistance (Norm)	10...55 Hz			
Air pressure	860 - 1060 hPa			
Delta tmax	0.5 °C/min			

Installation

Attribute	363G96K30	363G97	363V97	363096K30
Mounting type	Mounting rail			
Weight	100 g			

Connection

Attribute	363G96K30	363G97	363V97	363096K30
Spring-type terminals	yes			
Pluggable connection terminals	no			
Min. connection cross section	0.08 mm ²			
Max. connection cross section	2.5 mm ²			

Approvals

Attribute	363G96K30	363G97	363V97	363096K30
Certified in accordance with	EN ISO 13849-1, IEC 61508, UL 508/CSA 22.2			
CE label	yes			