



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.

IMAGE 2/4

36396k30

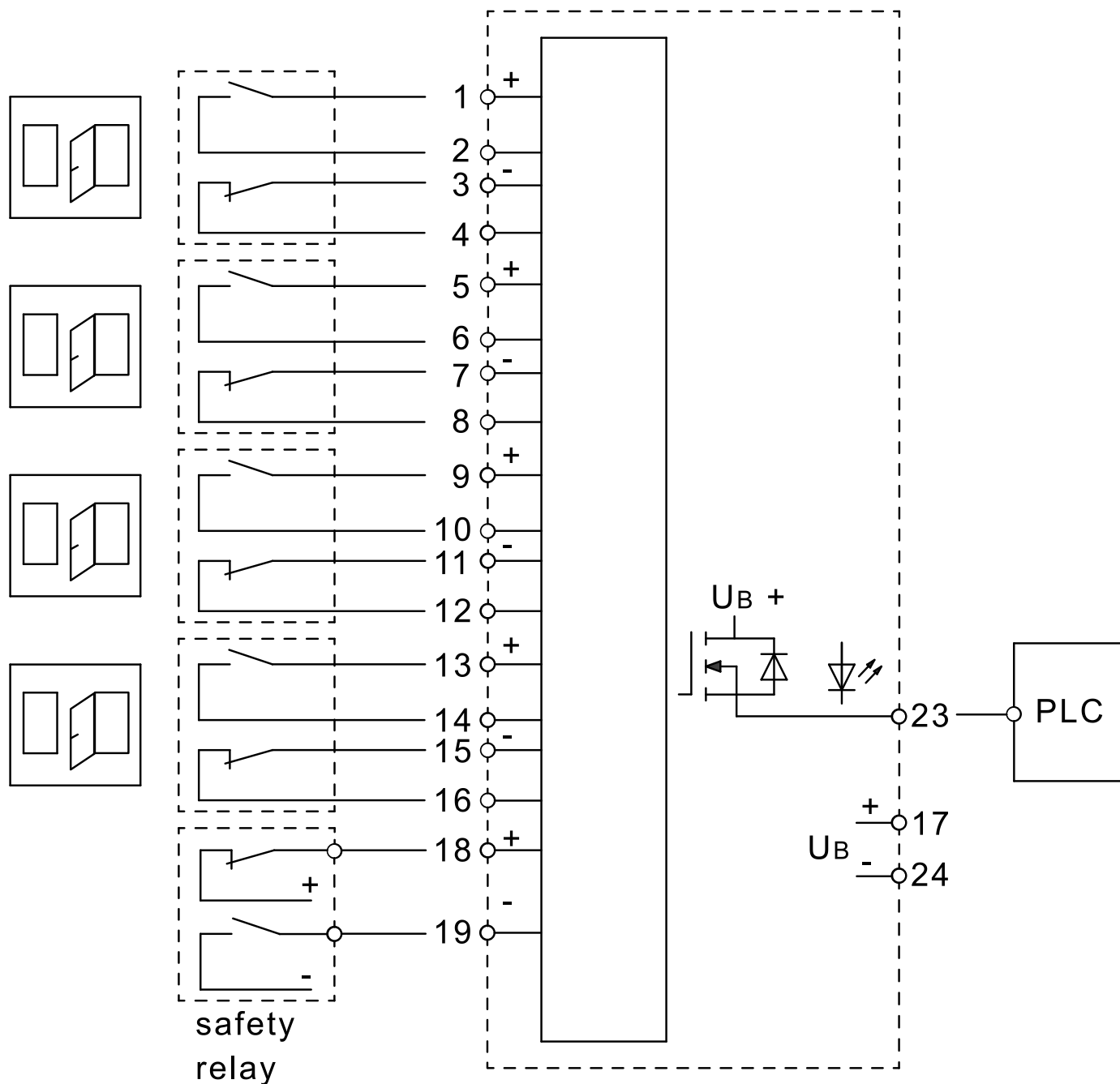


IMAGE 3/4

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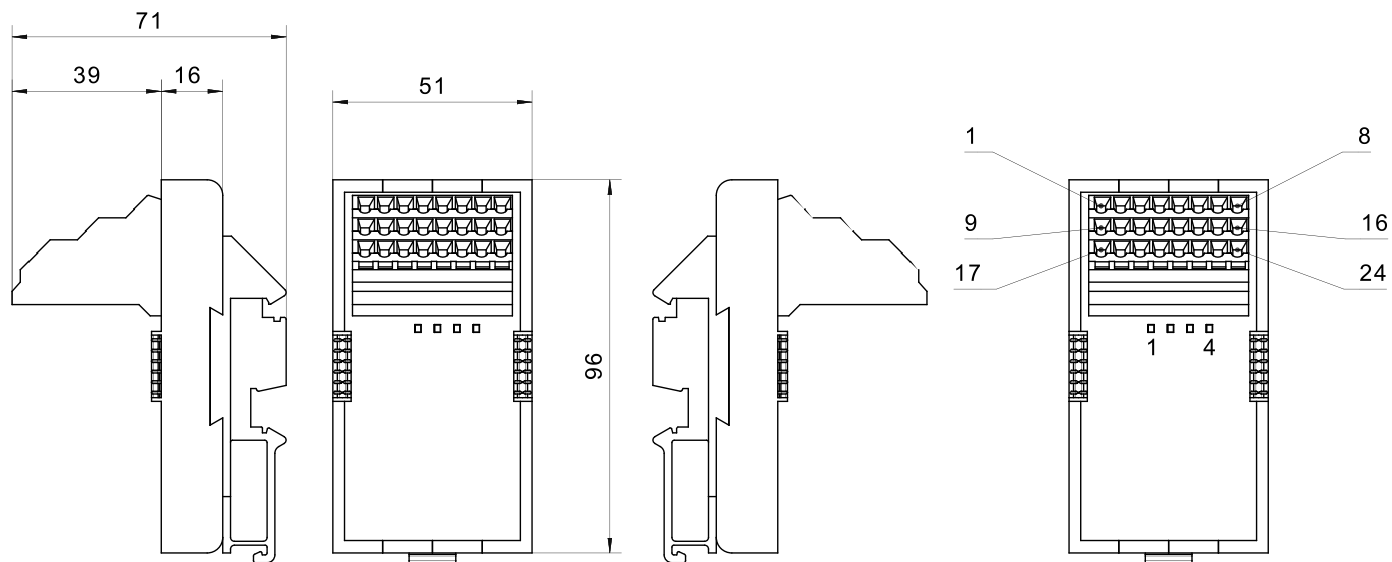
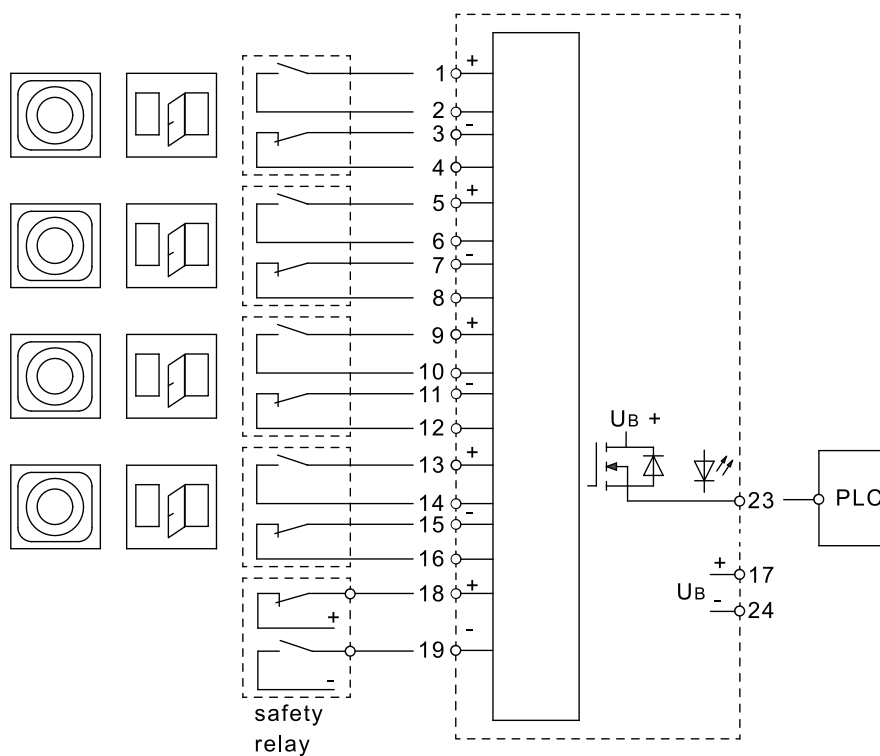
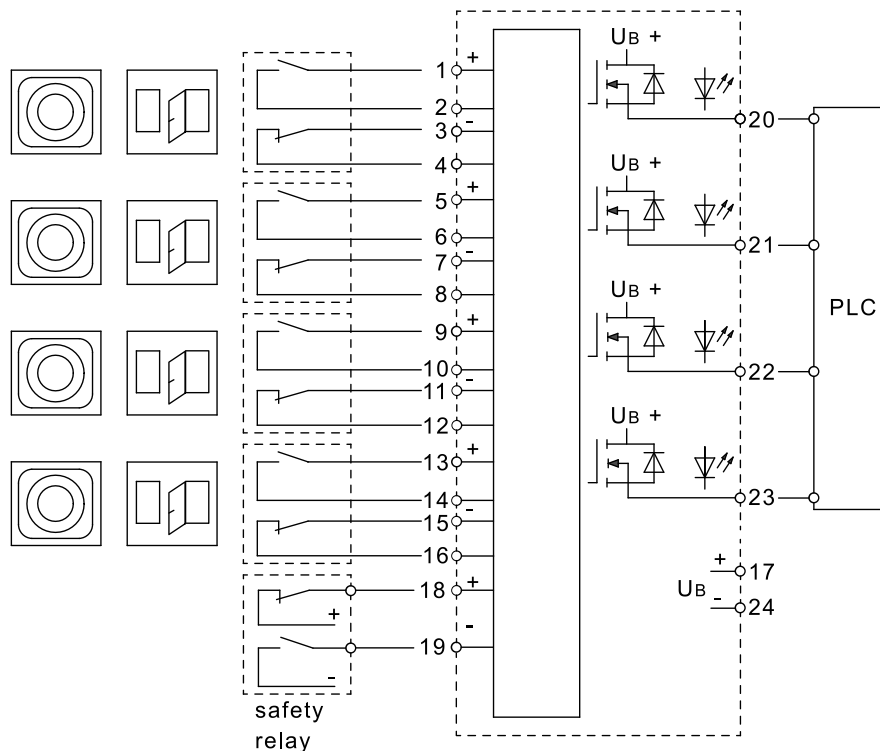


IMAGE 4/4

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Product options

IMAGE 1/1

ORDERING KEY

363					Interface for input expansion
					N.O./N.O.
	V	97			4 control outputs
	G	97			1 control output
					N.O./N.C.
	G	96	K30		1 control outputs
	0	96	K30		4 control output

Article characteristics

Attribute	363G96K30	363G97	363V97	363096K30	ED363G96K30	ED363G97 ▶
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	NO/NO		NO/NC	-	
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				-	
Dimensions	96 x 51 x 56 mm (H/B/T)				-	
Housing colour	schwarz				-	
Housing material	PA				-	
Protection class	IP00 DIN EN 60529				-	

Attribute	363G96K30	363G97	363V97	363096K30	ED363G96K30	ED363G97 ▶
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				-	-
Mounting type	Mounting rail				-	-
Weight	100 g				-	-
Spring-type terminals	yes				-	-
Pluggable connection terminals	no				-	-
Min. connection cross section	0.08 mm²				-	-
Max. connection cross section	2.5 mm²				-	-
Certified in accordance with	EN ISO 13849-1, IEC 61508, UL 508/CSA 22.2				-	-
CE label	yes				-	-

Attribute	ED363V97	ED363096K30
Max. switching voltage at safety output	-	-
Max. switching voltage at control output	-	-
Max. switching current per channel	-	-
Number of electronic safety outputs	-	-
Number of electronic control outputs	-	-
Number of redundant safety inputs	-	-
Operating voltage min.	-	-
Operating voltage max.	-	-
Current consumption	-	-
Power consumption	-	-
LED display	-	-
Operating time	-	-
Fuse operating voltage	-	-
Pollution degree	-	-
Protection class	-	-
Overvoltage category	-	-
Contact form	-	-
PL acc. to EN ISO 13849-1	-	-
SIL acc. to IEC 61508	-	-
SIL CL acc. to IEC 62061	-	-
PFHD according to IEC 61508	-	-
Category acc. to EN ISO 13849-1	-	-
Mission time in years	-	-
Dimensions	-	-
Housing colour	-	-
Housing material	-	-
Protection class	-	-
Protection class, installation space	-	-
Operating temperature min.	-	-
Max. operating temperature	-	-

Attribute	ED363V97	ED363096K30
Relative humidity	-	-
Min. storage temperature	-	-
Max. storage temperature	-	-
Shock resistance (Norm)	-	-
Continuous shock resistance (Norm)	-	-
Vibration resistance (Norm)	-	-
Air pressure	-	-
Delta tmax	-	-
Mounting type	-	-
Weight	-	-
Spring-type terminals	-	-
Pluggable connection terminals	-	-
Min. connection cross section	-	-
Max. connection cross section	-	-
Certified in accordance with	-	-
CE label	-	-