



Módulo de expansão de entradas

Com os módulos de expansão, o número de entradas e saídas de segurança podem ser aumentados. Um grande número de funções de segurança pode ser monitorado por vários módulos montados em série.

Especificação Técnica

- Categoria de segurança PLd de acordo com a norma EN ISO 13849-1 e SIL2 de acordo com a norma IEC 61508
- Terminais de engate rápido
- LEDs para diagnóstico de status e sinal de saída de controle
- Número de sensores pode ser aumentado para 4 por sinal de entrada
- Montagem em cascata permite conexão de até 64 sensores em uma unidade de controle*

★

Para atingir o nível de segurança máximo, é necessário integrar os sinais de saída de controle no monitoramento (iniciar o inter travamento em caso de falha). Se as interfaces estiverem em cascata, isso pode resultar em uma redução do nível de segurança máximo PL.

Desenho técnico

IMAGE 1/4

36396k30

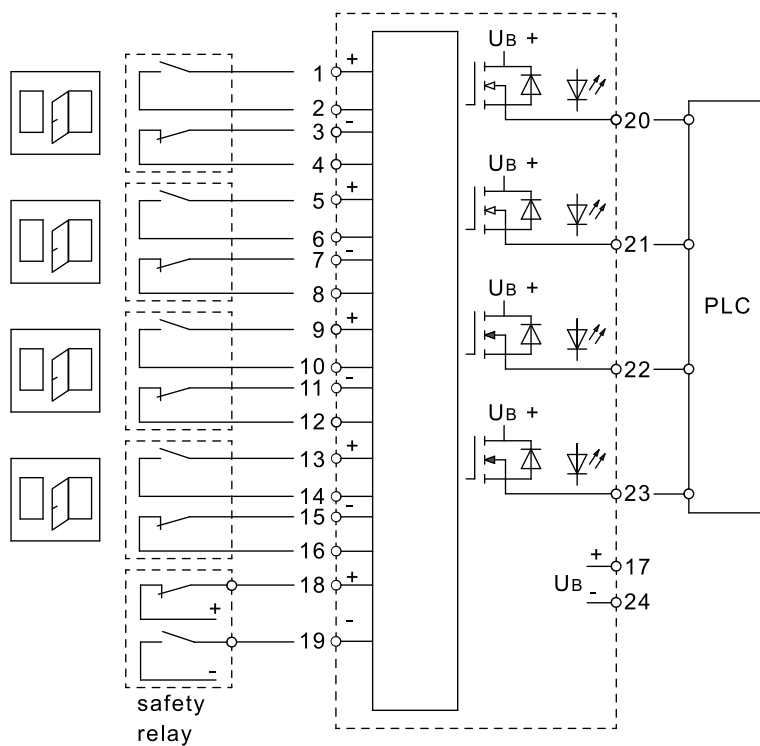
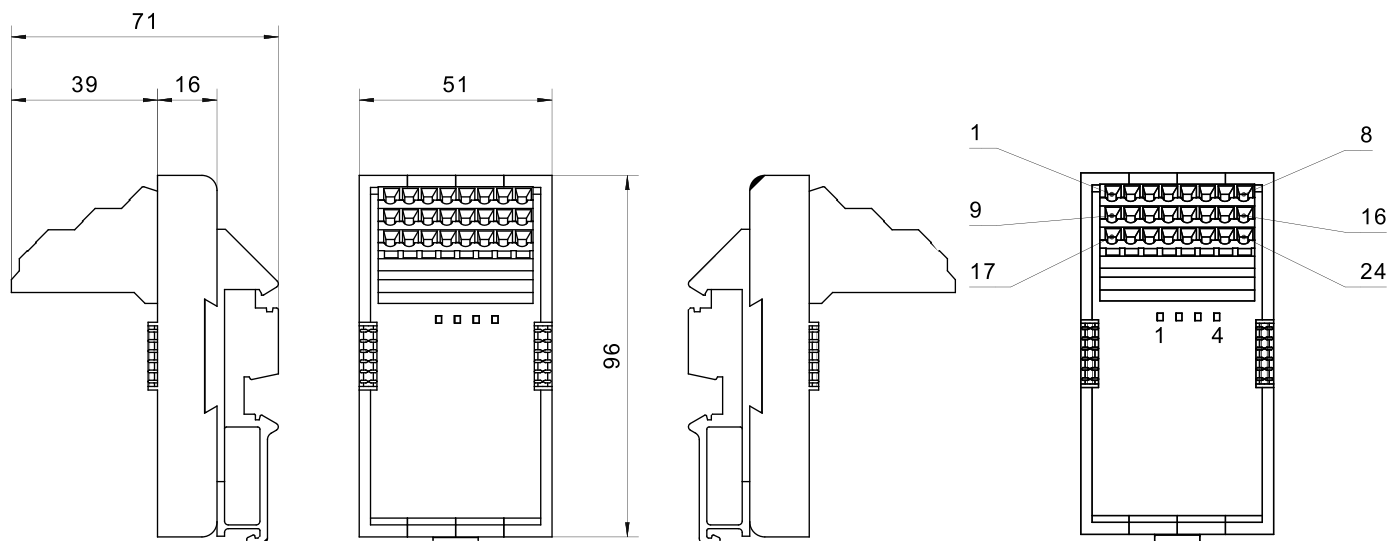


IMAGE 2/4

36396k30

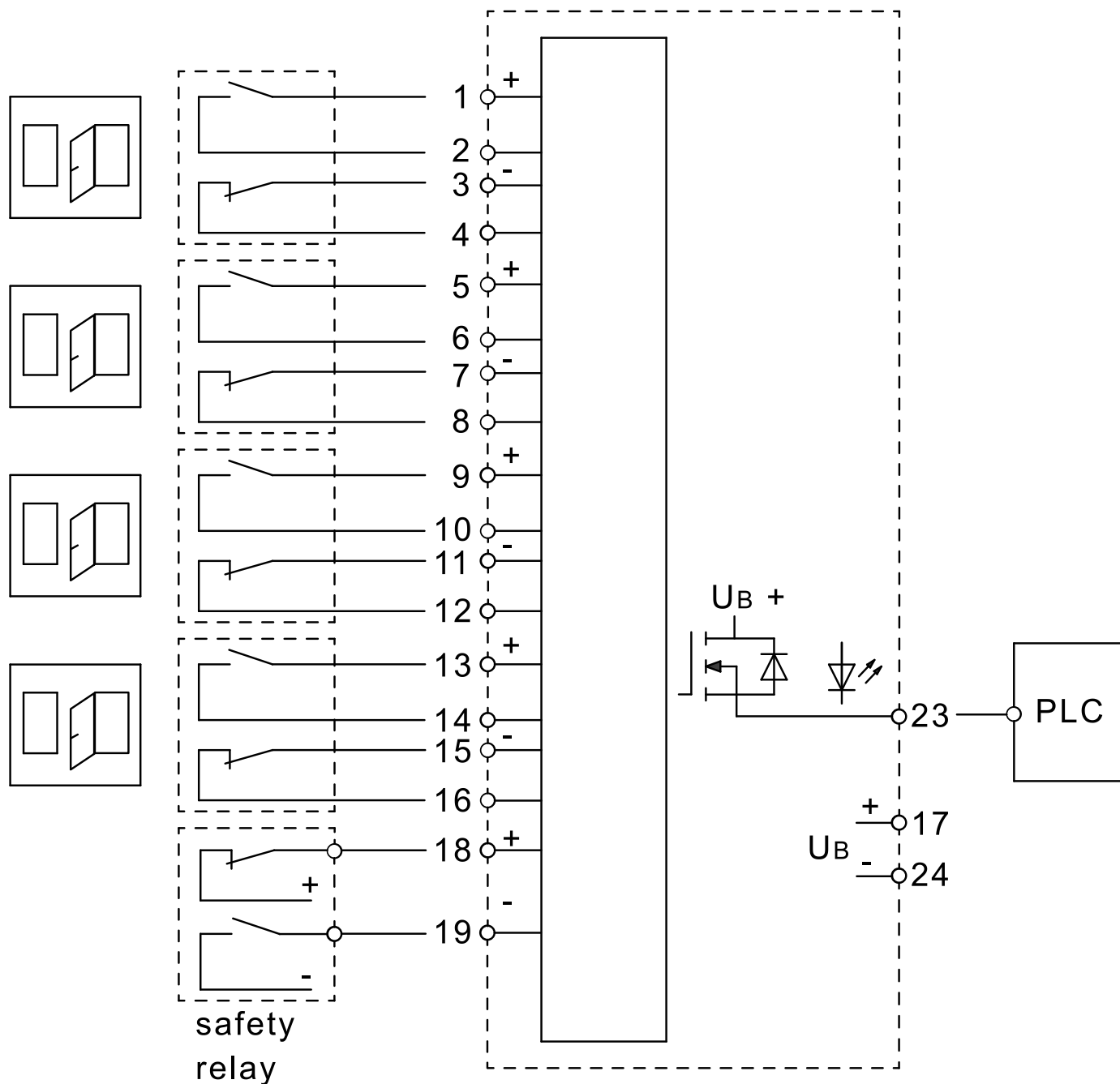


IMAGE 3/4

363967

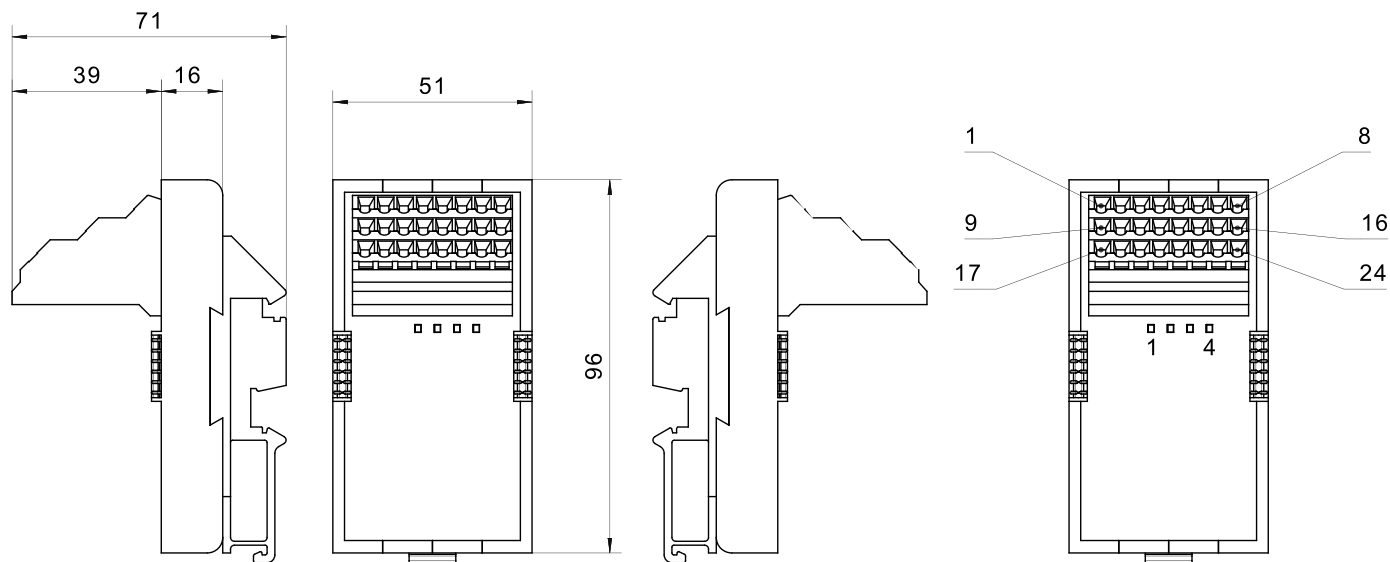


IMAGE 4/4

363967



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 |

Características do artigo

| 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 | - | - |