

**MIRO SAFE+ SWITCH ECOA 24**

24 VAC/DC - 2 N/O contact /1 PLC output

Art.No.: 3000-33113-3020005

Weight: 0.16

Country of origin: DE

Model designation: MIRO SAFE+ Switch ECOA 24

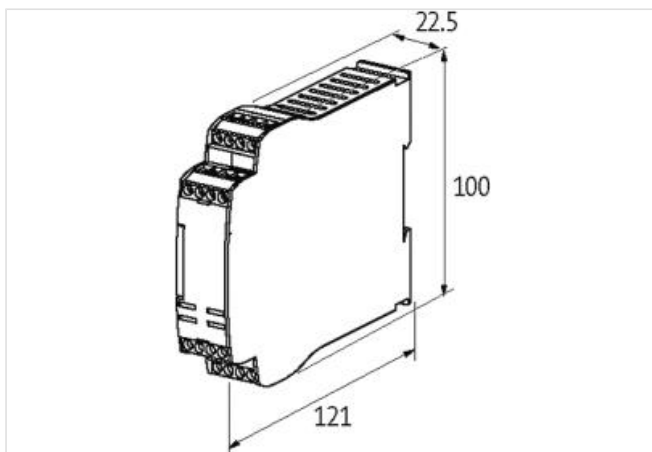
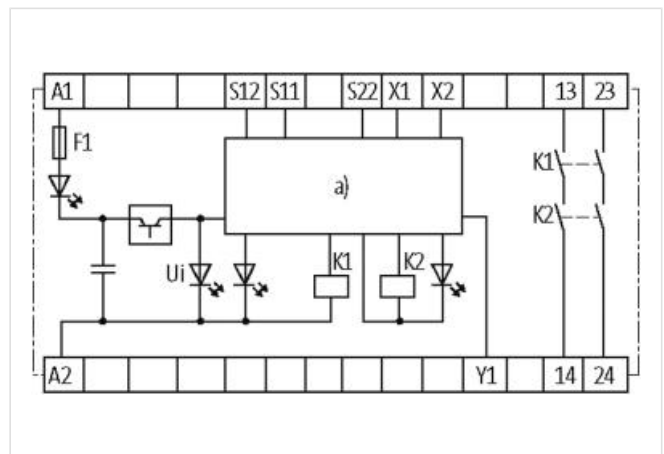
4 A

Protection-door and emergency-stop control

Light curtain control

Safety magnetic switch control

Automatic/manual reset/start

[Link to Product](#)**Illustration**

Product may differ from Image

**Commercial data**

ECLASS-6.0

27371819

|                                                     |                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------|
| ECLASS-6.1                                          | 27371819                                                                    |
| ECLASS-7.0                                          | 27371819                                                                    |
| ECLASS-8.0                                          | 27371819                                                                    |
| ECLASS-9.0                                          | 27371819                                                                    |
| ECLASS-10.1                                         | 27371819                                                                    |
| ECLASS-11.1                                         | 27371819                                                                    |
| ECLASS-12.0                                         | 27371819                                                                    |
| ETIM-5.0                                            | EC001449                                                                    |
| ETIM-6.0                                            | EC001449                                                                    |
| ETIM-7.0                                            | EC001449                                                                    |
| ETIM-8.0                                            | EC001449                                                                    |
| customs tariff number                               | 85364900                                                                    |
| customs tariff number                               | 85364900                                                                    |
| EAN                                                 | 4048879367561                                                               |
| EAN                                                 | 4048879367561                                                               |
| Packaging unit                                      | 1                                                                           |
| Packaging unit                                      | 1                                                                           |
| <b>Safety codes</b>                                 |                                                                             |
| Category (EN ISO 13849-1)                           | 4                                                                           |
| <b>Electrical data   Supply</b>                     |                                                                             |
| Power consumption max.                              | 2 W                                                                         |
| Apparent power max.                                 | 5,2 VA                                                                      |
| <b>Electrical data   Input</b>                      |                                                                             |
| Input voltage AC                                    | 24 V                                                                        |
| Input voltage AC min.                               | 20,4 V                                                                      |
| Input voltage AC max.                               | 26,4 V                                                                      |
| Input voltage DC                                    | 24 V                                                                        |
| Input voltage DC min.                               | 20,4 V                                                                      |
| Input voltage DC max.                               | 28,8 V                                                                      |
| <b>Electrical data   Output</b>                     |                                                                             |
| No. of auxiliary contacts                           | 0                                                                           |
| No. of alarm outputs                                | 1                                                                           |
| No. of safety contacts                              | 2                                                                           |
| Utilization category AC-15 (EN IEC 60947-5-1)       | 2 A @ 230 V                                                                 |
| Utilization category DC-13 STOP0 (EN IEC 60947-5-1) | 1 A @ 24 V                                                                  |
| Alarm outputs                                       | Y1                                                                          |
| Switching voltage AC max.                           | 250 V                                                                       |
| Switching voltage DC max.                           | 250 V                                                                       |
| Switching current max.                              | 4 A                                                                         |
| Switching capacity signal output Y1                 | 100 mA @ 24 V DC                                                            |
| Switching capacity safety contacts STOP0            | max. 250 V AC/4 A; min. 5 V AC/1 mA (resist./ind.), at suitable suppression |
| Safety contacts                                     | 13-14, 23-24                                                                |
| <b>Device protection</b>                            |                                                                             |
| Condition lifetime                                  | load-dependent                                                              |
| <b>Device protection   Electrical</b>               |                                                                             |
| Electrical lifetime                                 | 10000000 Cycles                                                             |
| <b>Device protection   Mechanical</b>               |                                                                             |
| Mechanical endurance                                | 10000000 Cycles                                                             |
| <b>Mechanical data   Material data</b>              |                                                                             |
| Material contact                                    | Ag Sn O                                                                     |

Material properties contact                      positively driven, self-cleaning

#### Mechanical data | Mounting data

|                            |                           |
|----------------------------|---------------------------|
| Mounting method            | geschnappt                |
| Suitable for mounting type | mounting rail, (EN 60715) |
| Height                     | 100 mm                    |
| Width                      | 22,5 mm                   |
| Depth                      | 121 mm                    |

#### Environmental characteristics | Climatic

|                            |        |
|----------------------------|--------|
| Operating temperature min. | -25 °C |
| Operating temperature max. | 60 °C  |
| Storage temperature min.   | -40 °C |
| Storage temperature max.   | 85 °C  |

#### Connection type 4

|                          |                           |
|--------------------------|---------------------------|
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | black                     |
| No. of poles             | 4                         |
| PIN 1                    | X 2                       |
| PIN 2                    | S 22                      |
| PIN 3                    | S 12                      |
| PIN 4                    | A 2                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | black                     |
| No. of poles             | 4                         |
| PIN 1                    | X 1                       |
| PIN 2                    | Y 1                       |
| PIN 3                    | S 11                      |
| PIN 4                    | A 1                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | black                     |
| No. of poles             | 4                         |
| PIN 1                    | 13                        |
| PIN 2                    | 14                        |
| PIN 3                    | 23                        |
| PIN 4                    | 24                        |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | black                     |
| No. of poles             | 4                         |