Emergency-stop with 5-pole M12
connector, AIDA
and status indication active/ inactive


Electrical data acc. to IEC EN 60947-5-1 (VDE 0660 Sect. 200)

|  | direct current |
| :--- | :--- |
| Utilisation category | DC13 |
| Rated insulation voltage Ui | 26.4 V |
| Rated operating voltage Ue | 24 V |
| Rated operating current le | 2 A |
| Continuous thermal current | 2 A |

## Technical Data - Iamp

| Lamp socket: | none, with integrated 3 mm LED |
| :--- | :--- |
| Definition: | Pin5: LED + , Pin3: LED- |

## Additional data

Mounting aperture:
22.3 mm

[^0]| Tightening torque (mounting nut): | $1.0 \ldots 1.7 \mathrm{Nm}$ |
| :--- | :--- |
| Release: | twist release, left or right |
| M ounting position: | any |
| Standards: | EN $60947-5-1$, EN $60947-5-5$, EN ISO 13850 |
| Tightening torque (M 12-connector): | max. 0.4 Nm |
| Ld: | $20 \%$ (NC) |
| B10d [cycles]: | 250,000 |
| O vervoltage category: | II |
| Pollution degree : | 2 |
| Material group: | I |

## Note

$0=N C$ contact

- with switching position indicator
- the diagnostic unit is not scope of delivery

Conditional short circuit Iq:
Rated impulse withstand voltage Uimp:
Short circuit means (recommendation):
Illumination, status indication active/ inactive:
M ushroom head "grey":
M ushroom head "red":
LED data:
Type: $\quad 0$ pto Devices
Typical data at $\mathrm{F}=20 \mathrm{~mA}$ :
Luminous intensity:
Beam angle:
Dominant wave length:
Rated voltage:
Rated current:
Typical luminous intensity at IF $=18 \mathrm{~mA}$ : min. 9000 mcd , typ. 11700 mcd
Cut-off voltage LED: $\quad \max .70 \mathrm{~V}$
A verage lifetime:
Safety instructions / mounting instructions

- The emergency-stop must only be used when lighting conditions ensure a clear and distinct visibility of the red illuminated (active) mushroom, e.g. in interiors or roofed places without direct sunlight (normal industrial environment).
- Before using the emergency-stop a safety review of the entire system is required.
- Depending on the designer's risk assessment, the illumination of the emergency-stop has to be monitored by means of a "diagnostic unit", and in case of a failure one has to react in accordance with the risk evaluation.
- The illumination of the emergency-stop has to be checked regularly as to its clear perceptibility. The emergency-stop has to be exchanged in case the clear perceptibility is no longer given.
- the M 12 connector must not be connected or disconnected under load
- the single connector pin may be loaded with max. 2 A
- not suitable for use under water
- there may not be any mechanical load on the M 12 connector, ensure that there is sufficient stain relief!
- observe the operating instructions
- depending on the usage the LED connected to the common pin must be considered in the overall system There is no electrical isolation from the normally closed contact!
- observe the operating instructions
- voltage of $+24 \mathrm{~V} \pm 10 \%$ must be applied at pin 5 to operate the "active/ inactive" LED.

Standard compliant applications:

- pluggable operator stations
- wireless operator stations
- pluggable system components (system components which are stationary available but only temporarily in operation)

Pin assignment:

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 | Type |
| :--- | :--- | :--- | :--- | :--- | :--- |
| NC1 | NC2 | LED - | NC1 | COM (NC2, LED +$)$ | $2 N C$ (AIDA) |

## Dimensional drawing



## Circuit diagram



Drilling pattern



[^0]:    Georg Schlegel GmbH \& Co. KG
    Tel.: 07371 / 502 - 0
    www.schlegel.biz

    - subject to alterations -

