

## Datasheet

Art.No. R1.188.3480.0

Motion control SNS 4084K-A DC 24V 99 HZ

Zero-speed monitor (Frequency range 0,5 - 99 Hz) with start-up-bridging-function, automatic-/ manual reset with reset-button monitoring, 4 safe semiconductor outputs, DC 24 V, pluggable screw-clamps



|            |               |
|------------|---------------|
| Art.No.    | R1.188.3480.0 |
| EAN        | 4046521310811 |
| Order unit | 1 pieces      |

## Approvals



## Technical data

### General

|  |  |
|--|--|
| Function display   | 12 LED, green/red  |
| Protection degree according to DIN EN 60529 (housing)    | IP40   |
| Protection degree according to DIN EN 60529 (terminals)  | IP20   |
| Ambient temperature min.                                 | -25 °C   |
| Ambient temperature max.                                 | 55 °C  |
| Wire ranges screw terminals, fine-stranded / solid       | 1 x 0,14 mm <sup>2</sup> - 2,5 mm <sup>2</sup> / 2 x 0,14 mm <sup>2</sup> - 0,75 mm <sup>2</sup> |
| Wire ranges screw terminals, fine-stranded with ferrules | 1 x 0,25 mm <sup>2</sup> - 2,5 mm <sup>2</sup> / 2 x 0,25 mm <sup>2</sup> - 0,5 mm <sup>2</sup>  |
| Permissible torque min.                                  | 0.5 Nm   |
| Permissible torque max.                                  | 0.6 Nm   |
| Tightening moment  | 0.6 Nm   |
| Wire range cage clamp terminals                          | 2 x 0,25mm <sup>2</sup> - 1,5mm <sup>2</sup>   |
| Weight   | 0.16 kg  |
| Standards  | EN ISO 13849-1;EN 62061  |
| Suited for safety functions                              | Yes  |
| Category according to EN ISO 13849-1                     | 4  |
| Start contact  | Yes  |
| Performance level acc. to EN ISO 13849-1                 | e  |

### Connection Data

|                             |                  |
|-----------------------------|------------------|
| Detachable clamps           | Yes              |
| Type of electric connection | Screw connection |

### Output circuit

|   |                                 |
|---|---------------------------------|
| Enabling paths  | solid state (plus), safe output |
| Signaling paths                                       | solid state (plus), not safe    |
| Rated switching voltage, enabling paths DC            | 30 V                            |
| Max. thermal current I <sub>th</sub> , enabling paths | 2 A                             |
| Max. total current I <sub>2</sub> of all current path | 4 A <sup>2</sup>                |
| Short-circuit protection (NO), max. fuse insert       | short-circuit proof             |
| Outputs, signalling function, undelayed, with contact | 2                               |
| Outputs, safe, undelayed, with contact                | 4                               |

### Control circuit

|  |        |
|--|--------|
| Nominal output voltage DC                          | 24 V   |
| Input current (safety circuit / reset circuit)     | 3 mA   |
| max. peak current (safety circuit / reset circuit) | 3.8 mA |
| Min. switch-on time                                | 100 ms |
| max. resistivity, per channel                      | 100 m  |

### Supply circuit

|   |         |
|---|---------|
| Nominal voltage U <sub>N</sub>                        | DC 24 V |
| Rated consumption DC                                  | 1.8 W   |
| Electrical isolation supply circuit - control circuit | No      |
| Min. rated DC voltage for controls                    | 16.8 V  |
| Max. rated DC voltage for controls                    | 30 V    |

### Dimensions

|        |         |
|--------|---------|
| Depth  | 114 mm  |
| Width  | 22.5 mm |
| Height | 96.5 mm |