

## product data sheet

item no. R1.188.4020.0

### stand still monitor SVM 4001K-A DC24V

Standstill monitoring unit for 1- and 3-phase motors, enabling current path 2 x1 NO contact, DC 24 V 50-60Hz, screw-terminals pluggable



|            |               |
|------------|---------------|
| item no.   | R1.188.4020.0 |
| EAN        | 4049088220999 |
| order unit | 1 piece(s)    |

## certificates / approvals



## technical data

### general

|                                                          |                                                                                                 |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| function display                                         | 4 LED, green/red                                                                                |
| creepage distances and clearances between the circuits   | EN 60664-1                                                                                      |
| protection degree according to DIN EN 60529 (housing)    | IP40                                                                                            |
| protection degree according to DIN EN 60529 (terminals)  | IP20                                                                                            |
| ambient temperature min.                                 | -20 °C                                                                                          |
| ambient temperature max.                                 | 55 °C                                                                                           |
| wire ranges screw terminals, fine-stranded / solid       | 1 x 0.2 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / 2 x 0.2 mm <sup>2</sup> - 1.0 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> - 1.0 mm <sup>2</sup> |
| permissible torque min.                                  | 0.5 Nm                                                                                          |
| permissible torque max.                                  | 0.6 Nm                                                                                          |
| tightening moment                                        | 0.6 Nm                                                                                          |
| weight                                                   | 0.18 kg                                                                                         |
| standards                                                | EN ISO 13849-1EN 62061EN 62061                                                                  |
| suitable for safety functions                            | yes                                                                                             |
| with muting function                                     | no                                                                                              |
| feedback circuit                                         | no                                                                                              |
| start contact                                            | no                                                                                              |
| stop category acc. to IEC 60204                          | 1                                                                                               |
| rail mounting possible                                   | yes                                                                                             |

### connection data

|                             |                  |
|-----------------------------|------------------|
| detachable clamps           | yes              |
| type of electric connection | screw connection |

### application

|       |              |
|-------|--------------|
| model | basic device |
|-------|--------------|

|                                               |    |
|-----------------------------------------------|----|
| suitable for monitoring of magnetic switches  | no |
| suitable for monitoring of proximity switches | no |

**output circuit**

|                                                       |                                        |
|-------------------------------------------------------|----------------------------------------|
| enabling paths                                        | normally open contact                  |
| contact material                                      | Ag alloy                               |
| rated switching voltage, enabling paths AC            | 230 V                                  |
| rated switching voltage, enabling paths DC            | 24 V                                   |
| max. thermal current I <sub>th</sub> , enabling paths | 8 A                                    |
| application category AC-15 (NO)                       | U <sub>e</sub> 230V, I <sub>e</sub> 3A |
| application category DC-13 (NO)                       | U <sub>e</sub> 24V, I <sub>e</sub> 4A  |
| short-circuit protection (NO), max. fuse insert       | 5 A class gG fuse                      |
| mechanical life                                       | 20 x 10 <sup>6</sup>                   |
| outputs, safe, undelayed, with contact                | 2                                      |

**control circuit**

|                               |            |
|-------------------------------|------------|
| response time t <sub>A1</sub> | 20 ms      |
| release time t <sub>R</sub>   | leer 20 ms |
| evaluation inputs             | 2-channel  |

**supply circuit**

|                                                       |         |
|-------------------------------------------------------|---------|
| nominal voltage U <sub>N</sub>                        | DC 24 V |
| rated consumption DC                                  | 1.8 W   |
| electrical isolation supply circuit - control circuit | no      |

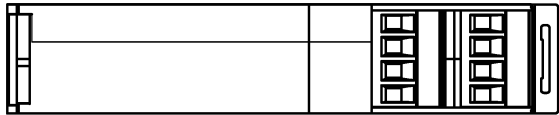
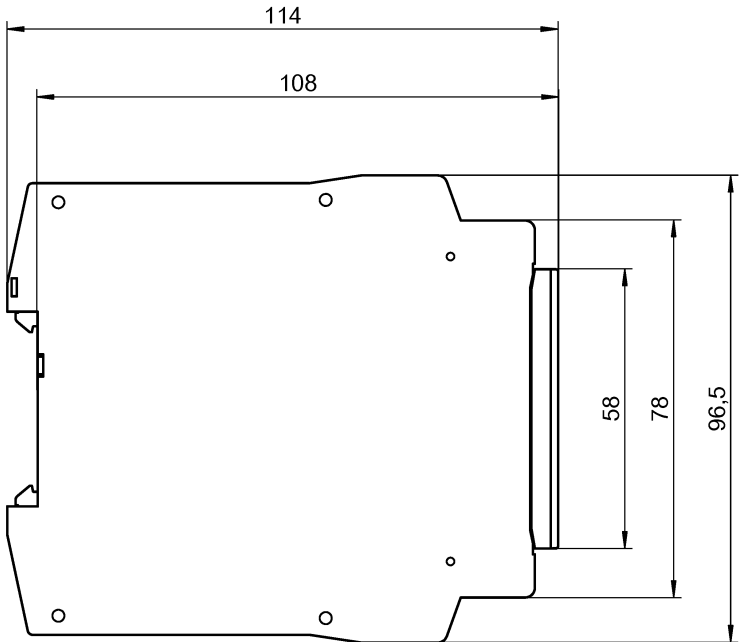
**dimensions**

|        |         |
|--------|---------|
| depth  | 114 mm  |
| width  | 22.5 mm |
| height | 96.5 mm |

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| Teile Nr. / Part No. |
|----------------------|
| R1.188.0460.0        |
| R1.188.0470.0        |
| R1.188.0480.0        |
| R1.188.0490.0        |
| R1.188.0500.1        |
| R1.188.0530.1        |
| R1.188.0590.0        |
| R1.188.0620.0        |
| R1.188.0640.0        |
| R1.188.0660.0        |
| R1.188.0680.0        |
| R1.188.0700.2        |
| R1.188.0720.2        |
| R1.188.0900.1        |
| R1.188.0910.1        |
| R1.188.0940.1        |
| R1.188.0950.1        |
| R1.188.0990.0        |
| R1.188.1000.0        |
| R1.188.1010.0        |
| R1.188.1050.0        |
| R1.188.1060.0        |
| R1.188.1070.0        |
| R1.188.1120.0        |
| R1.188.1280.0        |
| R1.188.1340.0        |
| R1.188.1440.0        |
| R1.188.1450.0        |
| R1.188.1460.0        |
| R1.188.1480.0        |
| R1.188.1810.0        |
| R1.188.1820.0        |
| R1.188.1830.0        |

| Teile Nr. / Part No. |
|----------------------|
| R1.188.1840.0        |
| R1.188.1850.0        |
| R1.188.1860.0        |
| R1.188.1870.0        |
| R1.188.1880.0        |
| R1.188.1890.0        |
| R1.188.1900.0        |
| R1.188.1910.0        |
| R1.188.1920.0        |
| R1.188.1930.0        |
| R1.188.3250.0        |
| R1.188.3290.0        |
| R1.188.3360.0        |
| R1.188.3480.0        |
| R1.188.3580.0        |
| R1.188.3590.0        |
| R1.188.3620.0        |
| R1.188.3640.0        |
| R1.188.3660.0        |
| R1.188.3710.0        |
| R1.188.3810.0        |
| R1.188.3830.0        |
| R1.188.3840.0        |
| R1.188.3910.0        |
| R1.188.3930.0        |
| R1.188.4020.0        |
| R1.188.4100.0        |
| R1.188.4110.0        |
| R1.188.4120.0        |
| 81.030.0100.0        |
| 81.030.0101.0        |
| 81.030.0110.0        |
| 81.030.0111.0        |



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Additional data see CATALOG or eCatalog.

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[eshop.wieland-electric.com](http://eshop.wieland-electric.com)

☐ ja/yes ☐ Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.  
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

|                                        |          |                                                                                                      |                                                                                           |  |                                                                                                                                                                                             |                              |                 |                                                              |  |
|----------------------------------------|----------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------|--------------------------------------------------------------|--|
| Freitoleranz nach<br>General tolerance |          |                                                                                                      | CAD-Zeichnung, keine manuellen Änderungen<br>CAD-Drawing, no manual modifications allowed |  |                                                                                                                                                                                             | 1. Verwendung:<br>First Use: |                 | Blatt:<br>Sheet:                                             |  |
|                                        |          |                 | Werkstoff/ Material                                                                       |  | 2014<br>gezeichnet<br>drawn                                                                                                                                                                 | Tag/ Date<br>06.06.          | Name<br>Kötzner | Zeichnung Nr./ Drawing No.<br><br><b>T R1.188.0460.0 01K</b> |  |
| Ⓔ                                      | 22.04.16 | Maßstab/Scale                                                                                        |                                                                                           |  | geprüft<br>checked                                                                                                                                                                          |                              |                 |                                                              |  |
| Ⓓ                                      | 17.03.15 |                                                                                                      |                                                                                           |  | Normgepr.<br>Stand. check                                                                                                                                                                   |                              |                 |                                                              |  |
| Ⓒ                                      | 03.02.15 |                                                                                                      |                                                                                           |  |                                                                                                                                                                                             |                              |                 | Maße in mm/Dimensions are in mm                              |  |
| Ⓖ                                      | 04.07.14 | Datei/ File: 030181_E01K.DCD                                                                         |                                                                                           |  | Ersatz für/ Replacement for:                                                                                                                                                                |                              |                 |                                                              |  |
| Ⓐ                                      | 25.06.14 |  <b>wieland</b> |                                                                                           |  | Type                                                                                                                                                                                        | Benennung/ Title             |                 |                                                              |  |
| Index                                  |          | <b>www.wieland-electric.com</b>                                                                      |                                                                                           |  | Maßbildzeichnung/dimension drawing<br>Standardgehäuse u. -deckel, Baubreite 22,5mm,<br>Schraubenklemmen steckbar<br>standard housing and cover, overall with 22,5mm<br>plug-in pcb terminal |                              |                 |                                                              |  |
| Änderung/ Revision                     |          |                                                                                                      |                                                                                           |  |                                                                                                                                                                                             |                              |                 |                                                              |  |

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