



ASIsafe compact module K60F digital safety, 2 F-DI/2 DQ, IP67 2 x input for mechanical sensors 2 x standard output 24 V DC Output supply from 24 V DC 4 x M12 socket Mounting plate 3RK1901-0CA00 must be ordered separately

| General technical data                                                                                                                                   |    |                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------|
| design of the product                                                                                                                                    |    | Safe compact module K60F, 2F-DI/2DO, Uaux                                                                                           |
| Type                                                                                                                                                     |    | 2 inputs, safe, 2 outputs, standard with Uaux                                                                                       |
| I/O configuration                                                                                                                                        |    | 7                                                                                                                                   |
| ID/ID2 code                                                                                                                                              |    | B/F                                                                                                                                 |
| protocol is supported AS-Interface protocol                                                                                                              |    | Yes                                                                                                                                 |
| Number I/O sockets                                                                                                                                       |    | 4                                                                                                                                   |
| type of electrical connection of the inputs and outputs                                                                                                  |    | M12 screw terminals                                                                                                                 |
| operating voltage according to AS-Interface specification                                                                                                | V  | 26.5 ... 31.5                                                                                                                       |
| AS interface total current input max                                                                                                                     | mA | 270                                                                                                                                 |
| Ground terminal                                                                                                                                          |    | PIN 5 of each M12 socket is connected to the grounding wrist strap in the mounting plate using a pin (outputs only, socket 5 and 6) |
| Addressing                                                                                                                                               |    | front addressing socket                                                                                                             |
| reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750                                                               |    | A                                                                                                                                   |
| reference code according to EN 61346-2                                                                                                                   |    | A                                                                                                                                   |
| Inputs                                                                                                                                                   |    |                                                                                                                                     |
| number of digital inputs safety-related                                                                                                                  |    | 2                                                                                                                                   |
| Inputs <ul style="list-style-type: none"><li>• sensors</li><li>• switching level High</li><li>• switching level Low</li></ul>                            |    | mechanical switching contact<br>contact closed<br>contact open                                                                      |
| input current at digital input for signal <1> minimum                                                                                                    | mA | 5                                                                                                                                   |
| design of the pin assignment of the inputs                                                                                                               |    | special assignment                                                                                                                  |
| Outputs                                                                                                                                                  |    |                                                                                                                                     |
| number of digital outputs                                                                                                                                |    | 2                                                                                                                                   |
| type of voltage of output voltages                                                                                                                       |    | DC                                                                                                                                  |
| Outputs external power supply 24 V DC                                                                                                                    |    | via AUX POWER                                                                                                                       |
| output current at digital output for signal <1> rated value                                                                                              | A  | 2                                                                                                                                   |
| type of switching output                                                                                                                                 |    | solid state                                                                                                                         |
| design of the pin assignment of the outputs                                                                                                              |    | standard assignment                                                                                                                 |
| property of the output short-circuit proof                                                                                                               |    | Yes                                                                                                                                 |
| Outputs <ul style="list-style-type: none"><li>• short-circuit protection</li><li>• induction protection</li><li>• watchdog</li></ul>                     |    | built-in<br>built-in<br>built-in                                                                                                    |
| Status display <ul style="list-style-type: none"><li>• display of I/Os</li><li>• display of Uaux</li><li>• display of AS-Interface/diagnostics</li></ul> |    | yellow LED<br>green LED<br>green/red LED                                                                                            |

| Ambient conditions       |                    |                                                                                  |
|--------------------------|--------------------|----------------------------------------------------------------------------------|
| ambient temperature      |                    |                                                                                  |
|                          | • during operation | °C -25 ... +70                                                                   |
|                          | • during storage   | °C -40 ... +85                                                                   |
| protection class IP      |                    | IP67                                                                             |
| Mechanical data          |                    |                                                                                  |
| width                    | mm                 | 60                                                                               |
| height                   | mm                 | 152                                                                              |
| depth                    | mm                 | 29                                                                               |
| fastening method         |                    | standard rail mounting/wall mounting using mounting plate for K60 compact module |
| Certificates/ approvals  |                    |                                                                                  |
| General Product Approval |                    | EMV                                                                              |



[Confirmation](#)



| Marine / Shipping                                                                 | other                                                                                                                                                               | Environment                                                                 |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|  |   | <a href="#">Confirmation</a><br><a href="#">Environmental Confirmations</a> |

| Further information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <p>Information on the packaging<br/> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a></p> <p>Information- and Downloadcenter (Catalogs, Brochures,...)<br/> <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a></p> <p>Industry Mall (Online ordering system)<br/> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1405-1BQ00-0AA3">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1405-1BQ00-0AA3</a></p> <p>Cax online generator<br/> <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RK1405-1BQ00-0AA3">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RK1405-1BQ00-0AA3</a></p> <p>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)<br/> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RK1405-1BQ00-0AA3">https://support.industry.siemens.com/cs/ww/en/ps/3RK1405-1BQ00-0AA3</a></p> <p>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)<br/> <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1405-1BQ00-0AA3&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1405-1BQ00-0AA3&amp;lang=en</a></p> |

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