## MASI20 I/O MODULE K3

4 digital inputs, 4 digital, passive safety outputs

Digital inputs/outputs
DI4-0.15 A DO4-2 A (AB) (K3)
Safe outputs (Safety)
passive safety
Output groups up to PLd (EN ISO 13849-1) can be switched off via safety relays
AB-Slave
Protection IP20
Current manuals can be downloaded at: www.murrelektronik.com
24 V DC (20... 30 V DC) EN 61131-2 by additional supply, safely separated from input supply

Link to Product
Illustration


Product may differ from Image

| UL) us LISTED |  |
| :---: | :---: |
| Commercial data |  |
| ECLASS-6.0 | 27242604 |
| ECLASS-6.1 | 27242604 |
| ECLASS-7.0 | 27242604 |
| ECLASS-8.0 | 27242604 |
| ECLASS-9.0 | 27242604 |
| ECLASS-10.1 | 27242604 |
| ECLASS-11.1 | 27242604 |
| ECLASS-12.0 | 27242604 |
| ETIM-5.0 | EC001599 |
| customs tariff number | 85176200 |
| GTIN | 4048879705288 |
| Packaging unit | 1 |
| Electrical data \| Supply |  |
| Operating voltage external DC min. | 12 V |
| Operating voltage external DC max. | 30 V |


| Bus voltage AS-Interface DC min. | $26,5 \mathrm{~V}$ |
| :--- | :--- |
| Bus voltage AS-Interface DC max. | $31,6 \mathrm{~V}$ |
| Current consumption AS-i port max. | 190 mA |
| Total current max. | 4 A |
| module supply | Via system connection or by additional feed-in |
| Electrical data \| Input | yes |
| Overload resistant | yes |
| Short-circuit protected | PNP, for 3-wire sensors or mechanical switches |
| Type input | $5,6 \mathrm{~mA}$ |
| Input current max. | $0,15 \mathrm{~A}$ |
| Current carrying capacity max. | 20 ms |
| Electrical data \| Output | yes |
| Switch off time in case of short circuit | yes |
| Overload resistant | 2 A |
| Short-circuit protected |  |
| Output current per pin max. |  |
| Industrial communication \| Bus data |  |


| Address setting type | Addressing socket, Master |
| :--- | :--- |
| Slave address range | $(0), 1$ A...31 A, 1 B...31 B |
| Industrial communication \| AS-Interface |  |
| Profile (IO.ID.ID2) | S-7.A.7 |
| Diagnostics | No voltage |
| Diagnostic | per module |
| Diagnostic via LED | Ethernet connection/data traffic |
| LED display |  |
| Device protection \| Electrical | IP20 |
| Degree of protection (EN IEC 60529) |  |


| Mechanical data \| Mounting data | geschnappt |
| :--- | :--- |
| Mounting method | mounting rail, (EN 60715) |
| Suitable for mounting type | 125 mm |
| Height | 19 mm |
| Width | 99 mm |
| Depth |  |
| Environmental characteristics \| Climatic | $-25^{\circ} \mathrm{C}$ |
| Operating temperature min. | $70^{\circ} \mathrm{C}$ |
| Operating temperature max. | $60^{\circ} \mathrm{C}$ |
| Derating from | $-25^{\circ} \mathrm{C}$ |
| Storage temperature min. | $85^{\circ} \mathrm{C}$ |
| Storage temperature max. |  |
| Connection type 3 | Asi Bus |
| Connection type 1 | $1 / \mathrm{O}$ |
| Connection type 2 | Power |
| Connection type 3 | Spring clamp terminals FK |
| Connection | terminal |
| Family construction form | female |
| Gender | yellow |
| Color contact carrier | 4 |
| No. of poles | AS-i + |
| PIN 25 | AS-i + |
| PIN 26 |  |
| PIN 27 |  |


| PIN 28 | AS-i - |
| :---: | :---: |
| Connection | Spring clamp terminals FK |
| Family construction form | terminal |
| Gender | female |
| Color contact carrier | black |
| No. of poles | 20 |
| PIN 1 | 11 |
| PIN 2 | 12 |
| PIN 3 | 13 |
| PIN 4 | 14 |
| PIN 5 | $1-$ |
| PIN 6 | I- |
| PIN 7 | $1-$ |
| PIN 8 | $1-$ |
| PIN 9 | $1+$ |
| PIN 10 | $1+$ |
| PIN 11 | $1+$ |
| PIN 12 | I+ |
| PIN 13 | 01 |
| PIN 14 | 02 |
| PIN 15 | 03 |
| PIN 16 | 04 |
| PIN 17 | O- |
| PIN 18 | O- |
| PIN 19 | O- |
| PIN 20 | O- |
| Connection | Spring clamp terminals FK |
| Family construction form | terminal |
| Gender | female |
| Color contact carrier | gray |
| No. of poles | 4 |
| PIN 21 | AUX + |
| PIN 22 | AUX + |
| PIN 23 | AUX - |
| PIN 24 | AUX - |

