

## CUBE67+ I/O EXTENSION MODULE

4 multif. channels + RS232/485

Expansion module

DIO4 - (E) RS232/485 (4×M12)

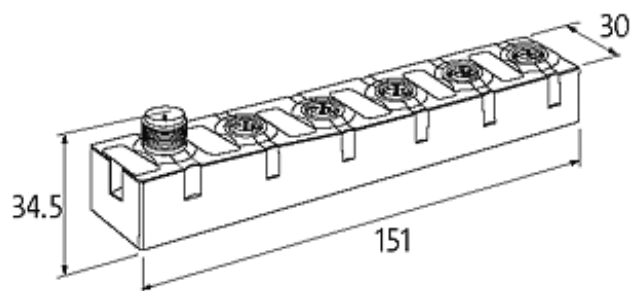
Serial interface

Multifunctional I/Os

Housing fully potted. For connection cables please see chapter "Connection Technology"  
Cube67+ modules can only be operated on Cube67+, Profibus + ProfiNet bus nodes.

### [Link to Product](#)

#### Illustration



Product may differ from Image

#### Approvals



#### Input

|                  |  |
|------------------|--|
| Sensor supply US | 24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected |
| Type             | for 3-wire sensors or mechanical switches, PNP, (EN 61131-2)                         |

|              |      |
|--------------|------|
| Input filter | 1 ms |
|--------------|------|

### Internal communication

|                     |            |
|---------------------|------------|
| Current consumption | max. 80 mA |
|---------------------|------------|

|             |  |
|-------------|--|
| LED display | US: sensor supply and internal supply voltage (green: OK); UA: actuator supply (green: OK) |
|-------------|--|

### Connections

|          |                                |
|----------|--------------------------------|
| Fieldbus | via internal system connection |
|----------|--------------------------------|

|                               |   |
|-------------------------------|---|
| Sensor-system/actuator supply | via internal system connection (max. 2×4 A) |
|-------------------------------|---|

|           |                            |
|-----------|----------------------------|
| I/O ports | M12 (male) 5-pole, A-coded |
|-----------|----------------------------|

### Technical Data

|                     |  |
|---------------------|--|
| Transfer parameters | RS232: 230.4 kBaud, full duplex; RS485: 230.4 kBaud, half duplex |
|---------------------|--|

|            |  |
|------------|--|
| RS232-Type | galvanically separated, M12 female 5-pole, B-coded |
|------------|--|

|            |  |
|------------|--|
| RS485-Type | galvanically separated, M12 female 5-pole, B-coded |
|------------|--|

### General data

|            |      |
|------------|------|
| Protection | IP67 |
|------------|------|

|                 |                       |
|-----------------|-----------------------|
| Mounting method | 2-hole screw mounting |
|-----------------|-----------------------|

|                   |   |
|-------------------|---|
| Temperature range | 0...+55 °C (storage temperature -20...+75 °C) |
|-------------------|---|

|                  |              |
|------------------|--------------|
| Compatible with: | 56521; 56526 |
|------------------|--------------|

|                      |                |
|----------------------|----------------|
| Dimensions H × W × D | 151×30×34.5 mm |
|----------------------|----------------|

### Parameterization

|       |                         |
|-------|-------------------------|
| PIN 2 | Input/output/diagnostic |
|-------|-------------------------|

|       |              |
|-------|--------------|
| PIN 4 | Input/output |
|-------|--------------|

### Output

|                    |  |
|--------------------|--|
| Actuator supply UA | 24 V DC (EN 61131-2), via system connection (max. 4 A) |
|--------------------|--|

|                              |   |
|------------------------------|---|
| Switching current per output | max. 0.5 A (short-circuit and overload protected) |
|------------------------------|---|

|           |      |
|-----------|------|
| Lamp load | 10 W |
|-----------|------|

### Diagnostic

|                      |         |
|----------------------|---------|
| Communication status | via LED |
|----------------------|---------|

|                    |                        |
|--------------------|------------------------|
| Diagnostic via LED | per module and channel |
|--------------------|------------------------|

|                    |                        |
|--------------------|------------------------|
| Diagnostic via BUS | per module and channel |
|--------------------|------------------------|

|                            |     |
|----------------------------|-----|
| Monitoring - under voltage | yes |
|----------------------------|-----|

|                         |     |
|-------------------------|-----|
| Monitoring - no voltage | yes |
|-------------------------|-----|

|                            |     |
|----------------------------|-----|
| Short circuit and overload | yes |
|----------------------------|-----|

|                  |                             |
|------------------|-----------------------------|
| Actuator warning | per channel via LED and BUS |
|------------------|-----------------------------|

### Commercial data

|                   |    |
|-------------------|----|
| country of origin | DE |
|-------------------|----|

|                       |          |
|-----------------------|----------|
| customs tariff number | 85176200 |
|-----------------------|----------|

|                        |   |
|------------------------|---|
| minimum order quantity | 1 |
|------------------------|---|