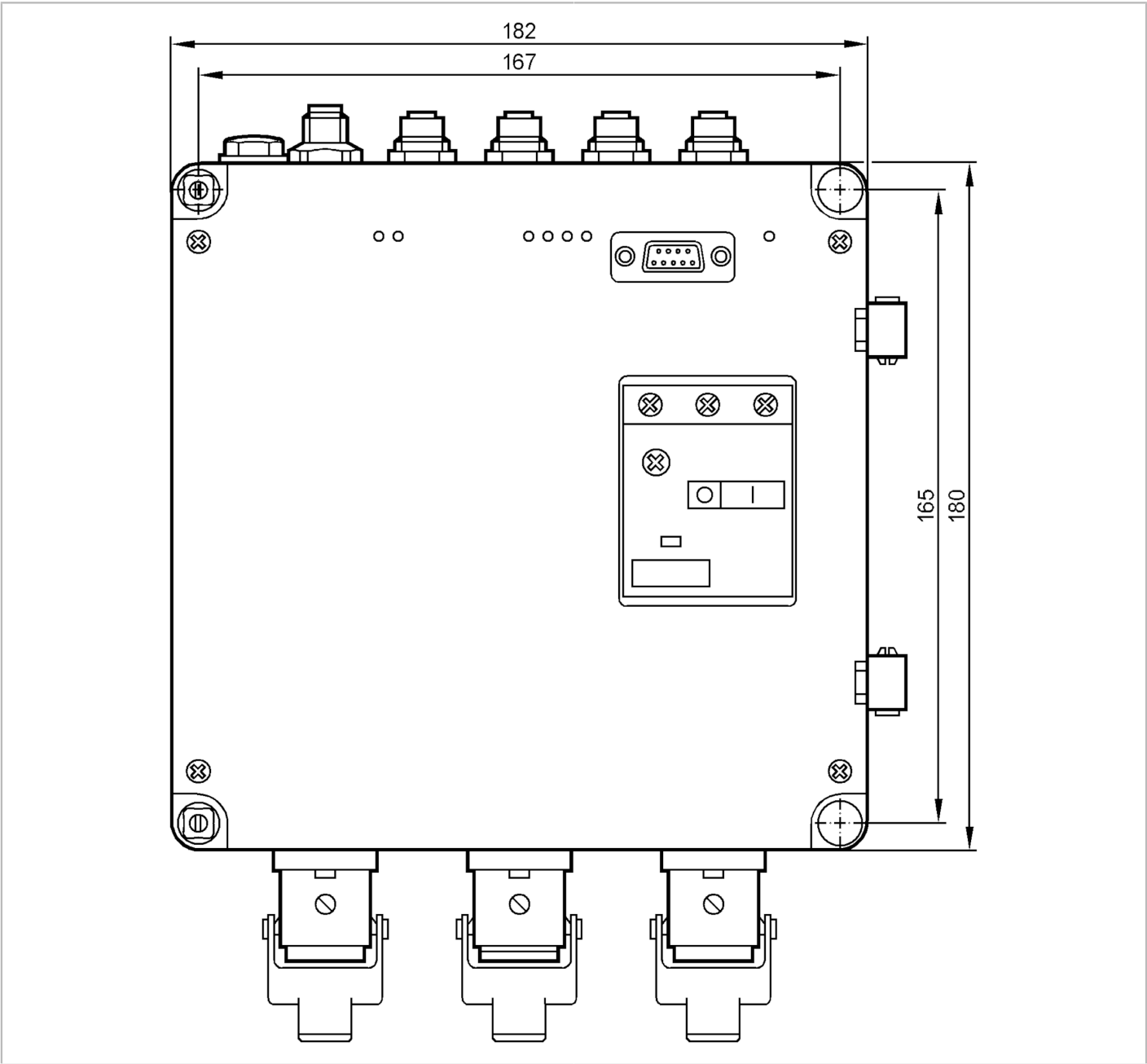




AS-Interface motor starter for three-phase motors

PowerSwitch 1A 0,25KW



| Electrical data                    |                                                           |                |
|------------------------------------|-----------------------------------------------------------|----------------|
| Operating voltage                  | [V]                                                       | 26.5...31.6 DC |
| Max. current consumption from AS-i | [mA]                                                      | 250            |
| Max. current load total            | [A]                                                       | 0.3            |
| Integrated watchdog                |                                                           | yes            |
| Inputs / outputs                   |                                                           |                |
| Number of inputs and outputs       | Number of digital inputs: 4; Number of digital outputs: 4 |                |
| Inputs                             |                                                           |                |
| Number of digital inputs           | 4                                                         |                |



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|                                                 |         |
|-------------------------------------------------|---------|
| Input circuit of digital inputs                 | PNP     |
| Sensor supply of the inputs                     | AS-i    |
| Voltage supply [V]                              | 20...30 |
| Max. total current rating of inputs [mA]        | 140     |
| Input current High [mA]                         | 6...10  |
| Input current low [mA]                          | 0...2   |
| Switching level high [V]                        | > 10    |
| Digital inputs protected against short circuits | yes     |

## Outputs

|                                   |                                                                                                         |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|
| Electrical design                 | AS-i                                                                                                    |
| Number of digital outputs         | 4                                                                                                       |
| Voltage range DC [V]              | 18...30; (to PELV)                                                                                      |
| Voltage range AC [V]              | 110...400                                                                                               |
| Max. current load per output [mA] | 150; (external outputs: Short-circuit proof; reversing contactor: not protected against short circuits) |
| Electrically separated            | yes                                                                                                     |

## Operating conditions

|                          |        |
|--------------------------|--------|
| Ambient temperature [°C] | 0...60 |
| Protection               | IP 54  |

## Tests / approvals

|     |              |  |
|-----|--------------|--|
| EMC | EN 50081-1   |  |
|     | EN 61000-6-2 |  |

## AS-i classification

|                              |       |
|------------------------------|-------|
| AS-i version                 | 2.0   |
| Extended addressing mode     | no    |
| AS-i profile                 | S-7.0 |
| AS-i I/O configuration [hex] | 7     |
| AS-i ID code [hex]           | 0     |

## Mechanical data

|                  |                                                          |
|------------------|----------------------------------------------------------|
| Weight [g]       | 1797.6                                                   |
| Type of mounting | Backplane mounting                                       |
| Material         | PC reinforced glass-fiber; flame-retardant; UV resistant |

## Displays / operating elements

|         |                  |             |
|---------|------------------|-------------|
| Display | Switching status | LED, yellow |
|         | Power            | LED, green  |
|         | errors           | LED, red    |

## Remarks

|               |                                                                                                                                                                                                                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks       | The PowerSwitch motor starter uses two outputs to trigger the reversing contactors (motor right/left/off).<br>Two further outputs can be connected at will.<br>The messages "motor protection activated" and "hand-held operating panel connected" are indicated via the input data bits.<br>Sensors can be connected to two additional inputs. |
| Pack quantity | 1 pcs.                                                                                                                                                                                                                                                                                                                                          |



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### Electrical connection

|     |                                   |
|-----|-----------------------------------|
|     | 400 V connection and motor socket |
| L1  | contact number 1                  |
| L2  | contact number 2                  |
| L3  | contact number 3                  |
| PE  | reserved PE                       |
|     | supply voltage connector          |
| 1   | AS-i +                            |
| 2   | 24V DC -                          |
| 3   | AS-i -                            |
| 4   | 24V DC +                          |
|     | output socket 2 x M12             |
| 1   | I+                                |
| 2/4 | Input bridged                     |
| 3   | I-                                |
|     | output socket 2 x M12             |
| 1   | n.c.                              |
| 2   | n.c.                              |
| 3   | 24V DC -                          |
| 4   | Switching output 24V DC +         |