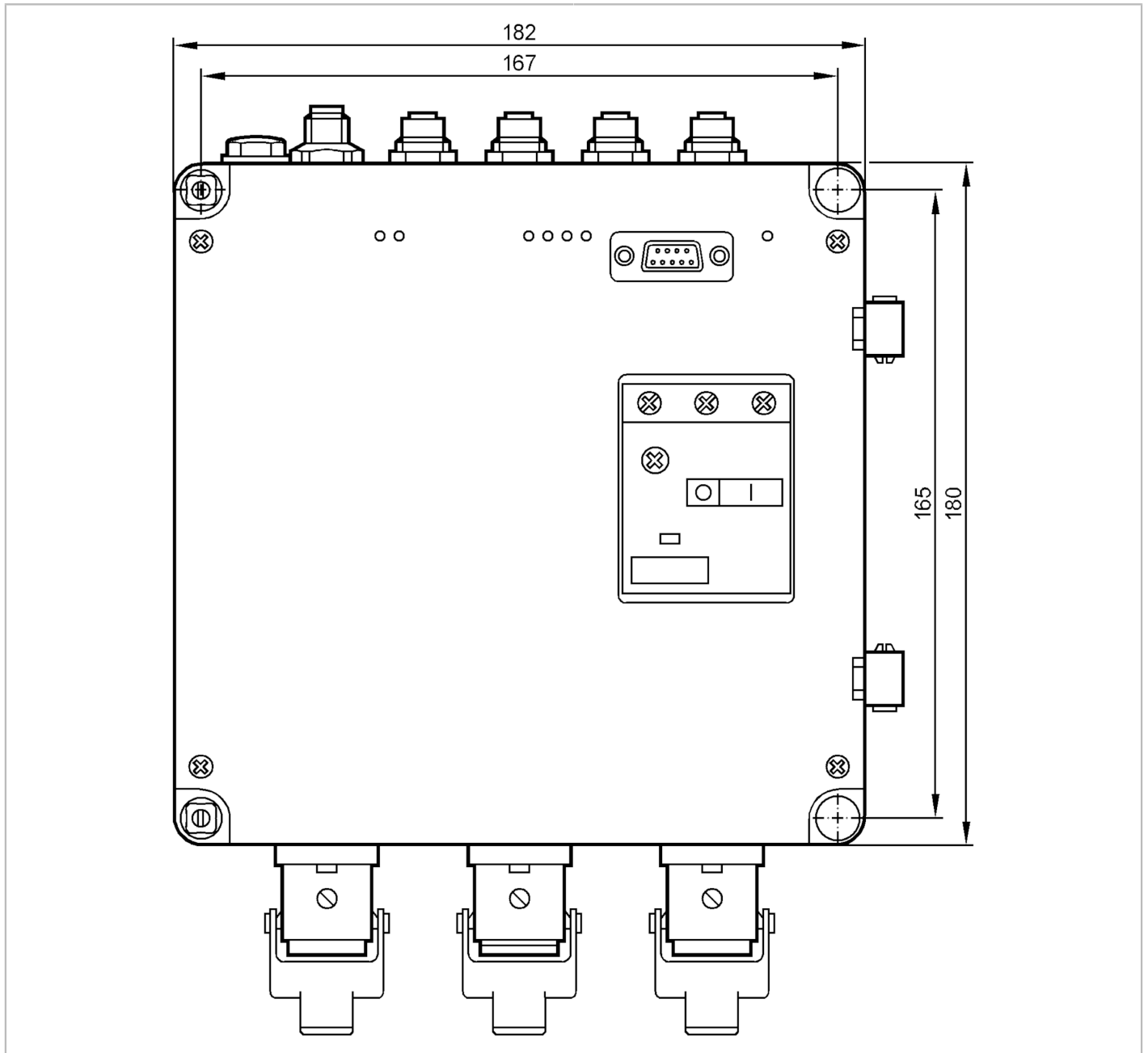


# ZB0031



## AS-Interface motor starter for three-phase motors

PowerSwitch 0,8A 0,18KW



### Electrical data

Operating voltage	[V]	26.5...31.6 DC
Current consumption	[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
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# ZB0031



## AS-Interface motor starter for three-phase motors

PowerSwitch 0,8A 0,18KW

Inputs		
Number of digital inputs	4	
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	
Min. switching level high signal [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 possible	no	
AS-i profile	S-7.0	
AS-i I/O configuration [hex]	7	
AS-i ID code [hex]	0	
Mechanical data		
Weight [g]	1800	
Type of mounting	Backplane mounting	
Dimensions [mm]	180 x 182 x 90	
Material	PC reinforced glass-fibre; flame-retardant; UV resistant	
Displays / operating elements		
Display	Switching status	LED, yellow
	Power	LED, green
	errors	LED, red

# ZB0031



## AS-Interface motor starter for three-phase motors

PowerSwitch 0,8A 0,18KW

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

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 +