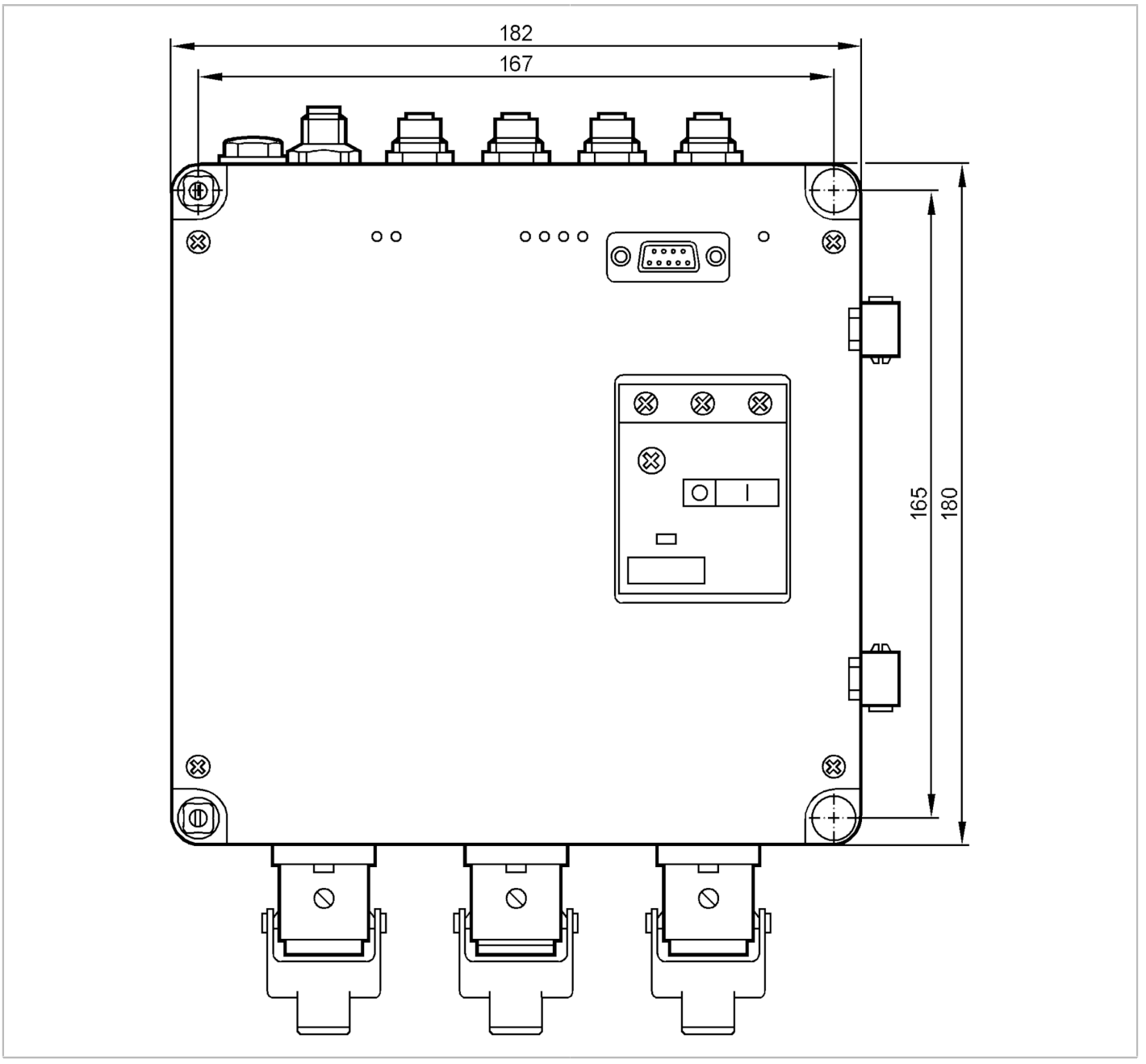
ZB0031

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
Inputs		
Number of digital inputs		4
Input circuit of digital inputs		PNP

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Sensor supply of the inputs		AS-i	
Power 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]	1800	
Type of mounting		backplane mounting	
Dimensions	[mm]	180 x 182 x 90	
Materials		PC glass fibre reinforced; flame-retardant; UV resistant	
Displays / operating elements			
Display		switching status	LED, yellow
		operation	LED, green
		errors	LED, red
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.	

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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	prepared for 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 +