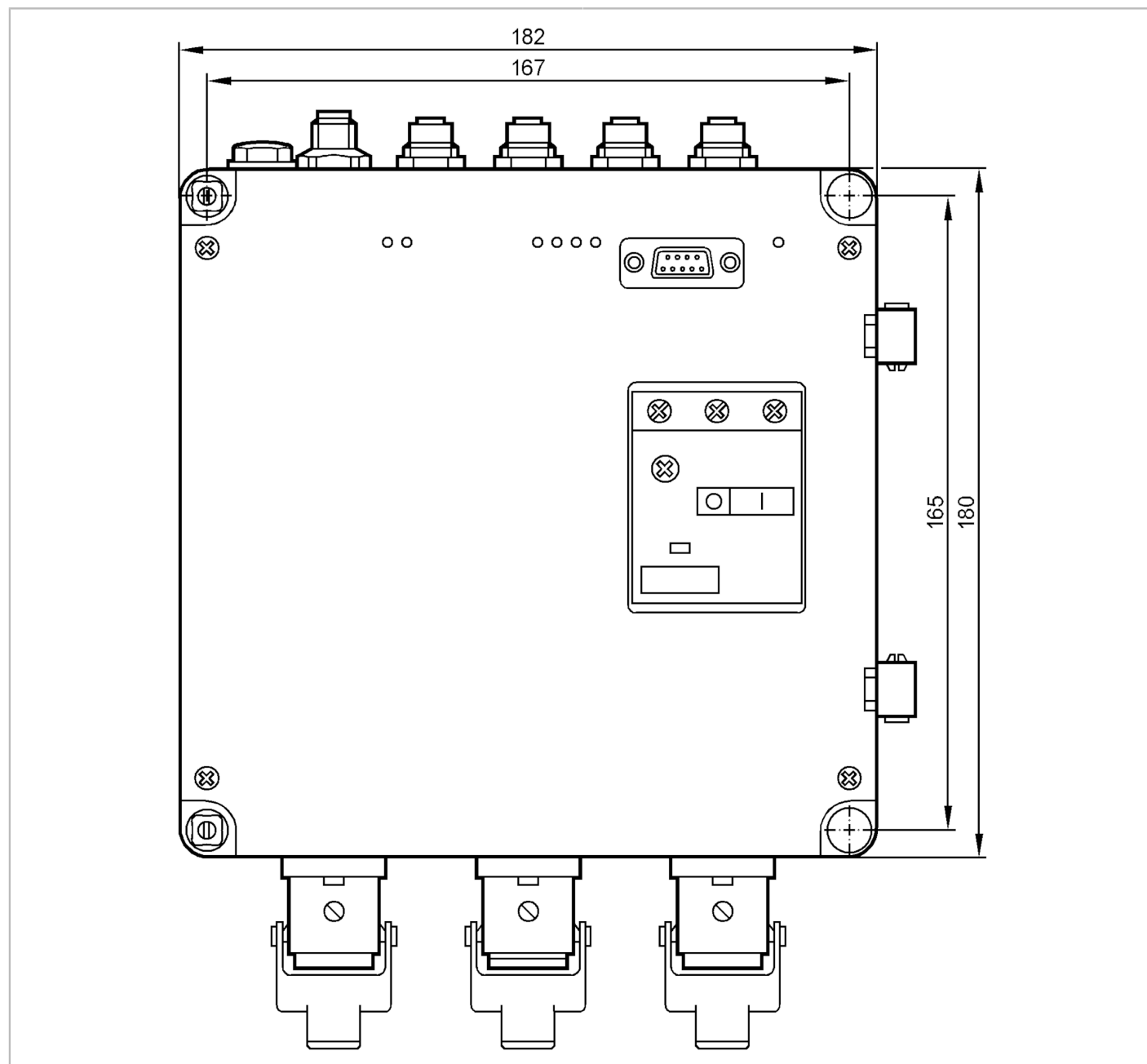


ZB0030



AS-Interface motor starter for three-phase motors

PowerSwitch 0,63A 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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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]	555
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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PowerSwitch 0,63A 0,18KW

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 +