

STANDARD

MTR

STANDARD EQUIPMENT:

- Voltage 230 V AC
- Terminal board connection
- 2 thrust switches
- 2 position switches
- Space heater
- Pillar mechanical connection
- Local position indicator
- Manual control
- Protection code IP 55



Specification table MT 3

Order code

52 420. X - X X X X X / X X

Climate resistance	Ambient temperature	Corrosivity category ¹⁰⁾	Enclosure	
Standard	-25°C...+55°C	C3	IP 55	0
			IP 67	1
Tropical dry and Dry	-25°C... +55°C	C3	IP 67	6

Electric connection	Voltage ²⁵⁾	Wiring diagram	
To terminal board	230 V AC	Z296a	9
To connector	230 V AC	ZK296a	8

Screw version		Switching-off thrust ^{32/33)}	Rated operating speed	Operating speed	Electric motor			
					Power	Speed	Current	
trapézová	6 300/32	4.0 ÷ 6.3 kN	32 mm/min	38 ÷ 32 mm/min	16W	1 150	0.31 A	A
	4 000/50	2.5 ÷ 4.0 kN	50 mm/min	60 ÷ 50 mm/min				B
	10 000/32	6.3 ÷ 10.0 kN	32 mm/min	38 ÷ 32 mm/min	25W	1 250	0.41A	C
	6 300/50	4.0 ÷ 6.3 kN	50 mm/min	60 ÷ 50 mm/min				D
guličková	16 000/32-G	10.0 ÷ 16.0 kN	32 mm/min	38 ÷ 32 mm/min	16W	1 150	0.31 A	E
	10 000/50-G	6.3 ÷ 10.0 kN	50 mm/min	60 ÷ 50 mm/min				F
	25 000/32-G	10.0 ÷ 25.0 kN	32 mm/min	38 ÷ 32 mm/min	25W	1 250	0.41A	G
	16 000/50-G	10.0 ÷ 16.0 kN	50 mm/min	60 ÷ 50 mm/min				H
	10 000/63-G	6.3 ÷ 10.0 kN	63 mm/min	75 ÷ 63 mm/min				J
	6 300/100-G	4.0 ÷ 6.3 kN	100 mm/min	120 ÷ 100 mm/min				K

Control board version	Operating angle	Wiring diagram	
Electromechanical - without local control	12.5 mm	Z298/ZK298	A
	16 mm		B
	25 mm		C
	32 mm		D
	40 mm		E
	63 mm		F
	80 mm		G
	100 mm		H

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Order code

52 420. X - X X X X X / X X

Transmitter		Connection	Output	Wiring diagram	
Without transmitter		-	-	-	A
Potentiometer	Single	-	1 x 100 Ω	Z5c/ZK5c	B
			1 x 2 000 Ω		F
	Double	-	2 x 100 Ω	Z6c/ZK6c	K
			2 x 2 000 Ω		P
Electronic position transmitter	Passive	2-wire	4 - 20 mA	Z10g/ZK10g	S
			0 - 20 mA	Z257b/ZK257b	T
		3-wire	4 - 20 mA		V
			0 - 5 mA		Y
	Active	2-wire	4 - 20 mA	Z269r/ZK269r	Q
			0 - 20 mA	Z260h/ZK260h	U
		3-wire	4 - 20 mA		W
			0 - 5 mA		Z
Electronic position transmitter	Passive	3-wire	0 - 10 V	Z257m/ZK257m	D
	Active		0 - 10 V	Z260k/ZK260k	R
Current CPT ⁵²⁾	Passive	2-wire	4 - 20 mA	Z10g/ZK10g	I
		3-wire	0 - 5 mA	Z257n/ZK257n	5
	Active	2-wire	4 - 20 mA	Z269r/ZK269r	J
		3-wire	0 - 5 mA	Z260m/ZK260m	6
Current DCPT 3M ⁵²⁾	Passive	2-wire	4 - 20 mA	Z10g/ZK10g	2
	Active		4 - 20 mA	Z269r/ZK269r	3

Mechanical connection	Connecting height / stroke	Pillars spacing / bore of flange	Thread of stem ⁶²⁾	Dimensional drawing ⁶³⁾	
Pillars	30/100	150/-	M20x1,5 M16x1,5 M10x1	P-1045b/A; P-1045b/D	A
	74/100			P-1045b/B; P-1045b/E	B
	130/100			P-1045b/C; P-1045b/H	C
Flange	112/100	150/80 H8		P-1045b/A; P-1045b/C	L
	110/100	150/65.15 H7		P-1045b/B; P-1045b/D	M

Additional equipment		Wiring diagram		
	Without additional equipment; adjusted max. switching-off torque		0	1
A	2 additional position switches S5, S6	Z298/ZK298	0	2
B	Switching-off torque adjustment for required value		0	3

Allowed combination and code of version: A+B=07

Notes:

10) Climate resistance according to ISO 9223 / EN ISO 12944-2.

32) State the switching-off thrust in your order. If not stated it is adjusted to the maximum value of chosen range. The switching-off thrust is not adjustable by customer.

33) The maximum load torque equals the max. switching-off torque multiplied by:

- 0.8 for duty cycle S2-10 min, or S4-25%, 6-90 cycles per hour.

- 0.6 for duty cycle S4-25%, 90 - 1200 cycles per hour.

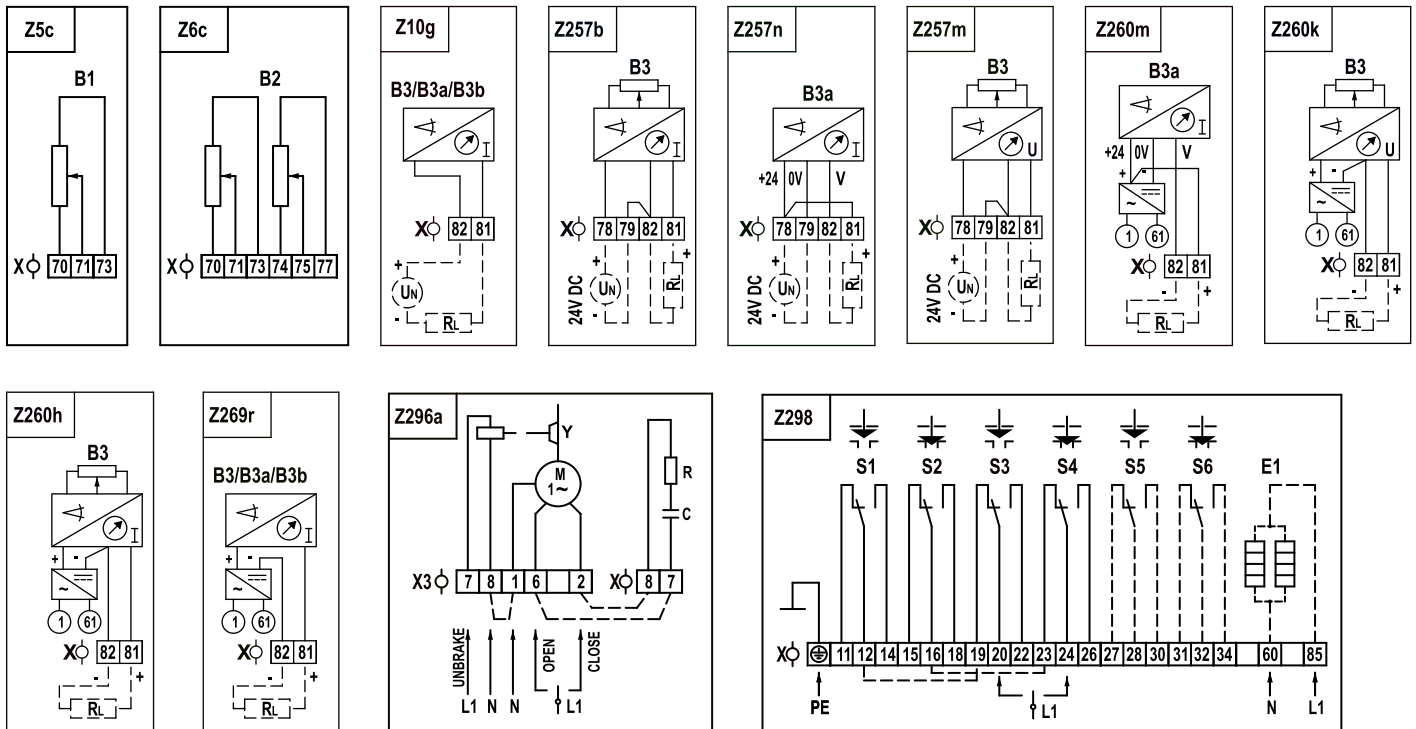
51) Not valid for temperatures of -60°C.

52) CPT - capacitive transmitter, DCPT 3M - electronic contactless transmitter.

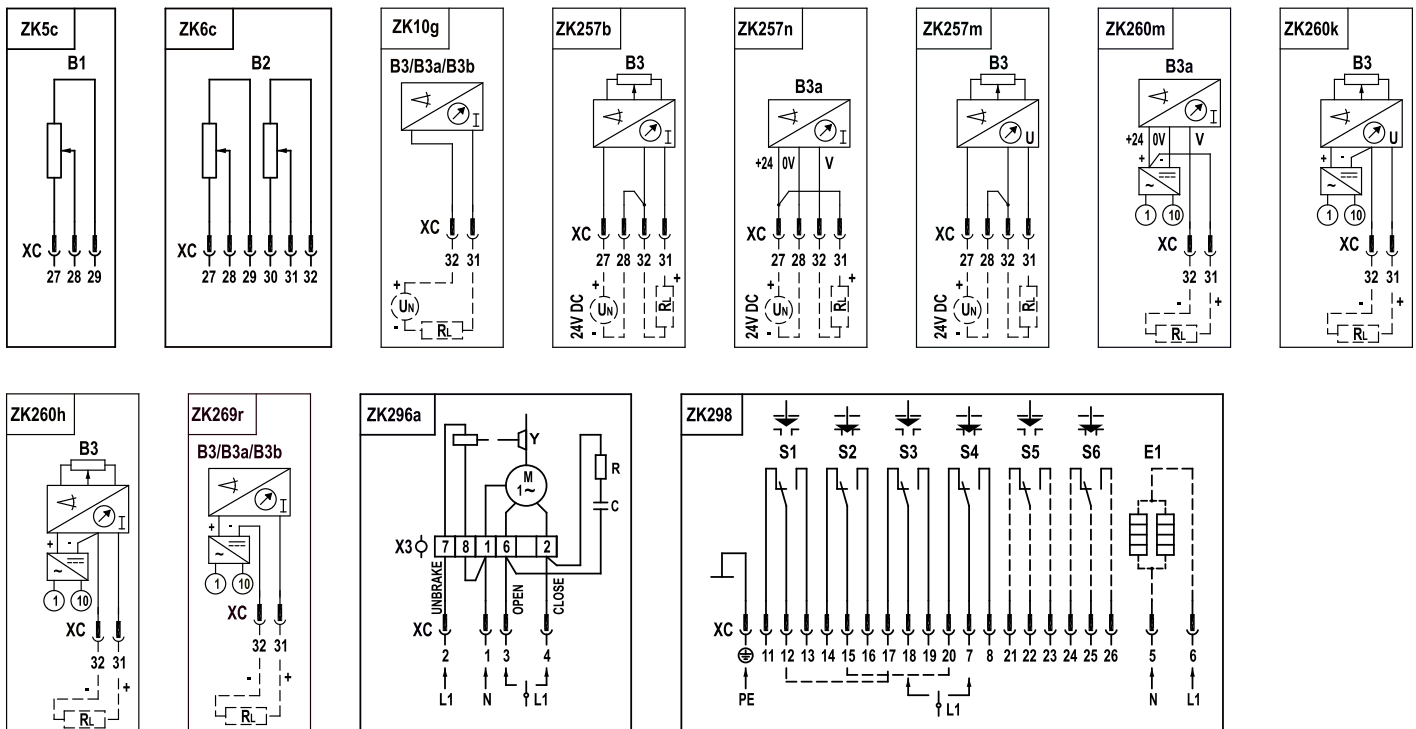
62) Thread in the coupling must be specified in the order by words.

Wiring diagrams

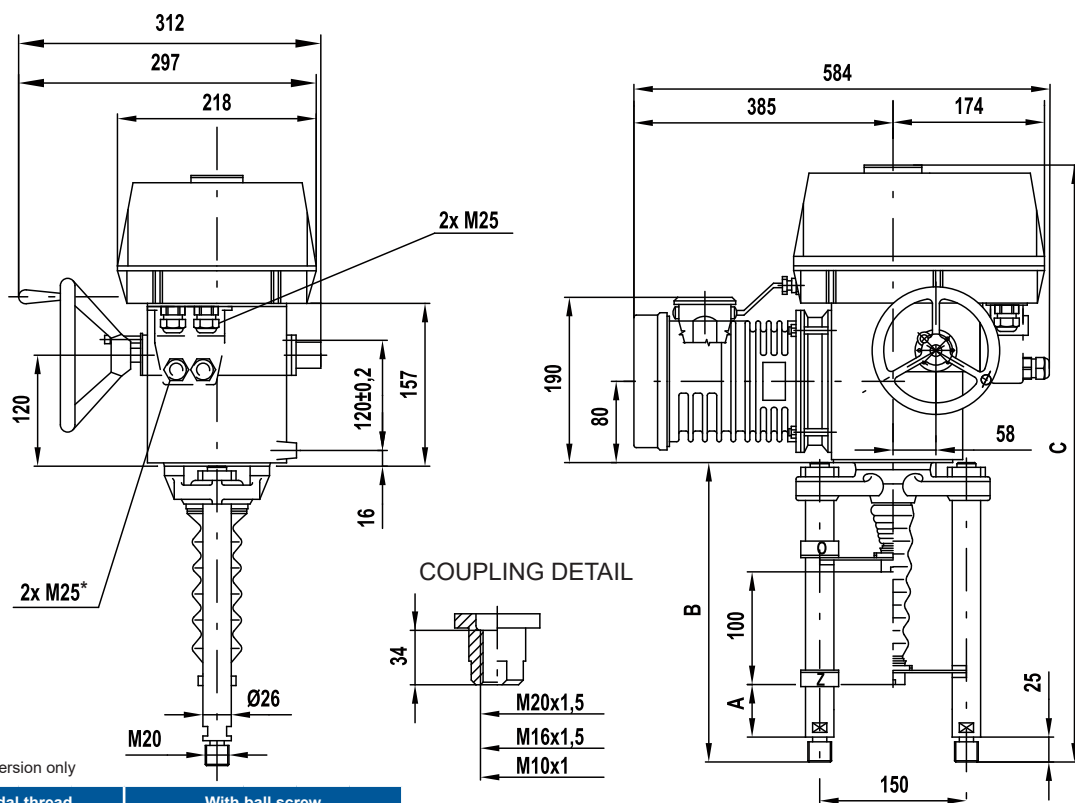
Terminal board connection



Connector connection



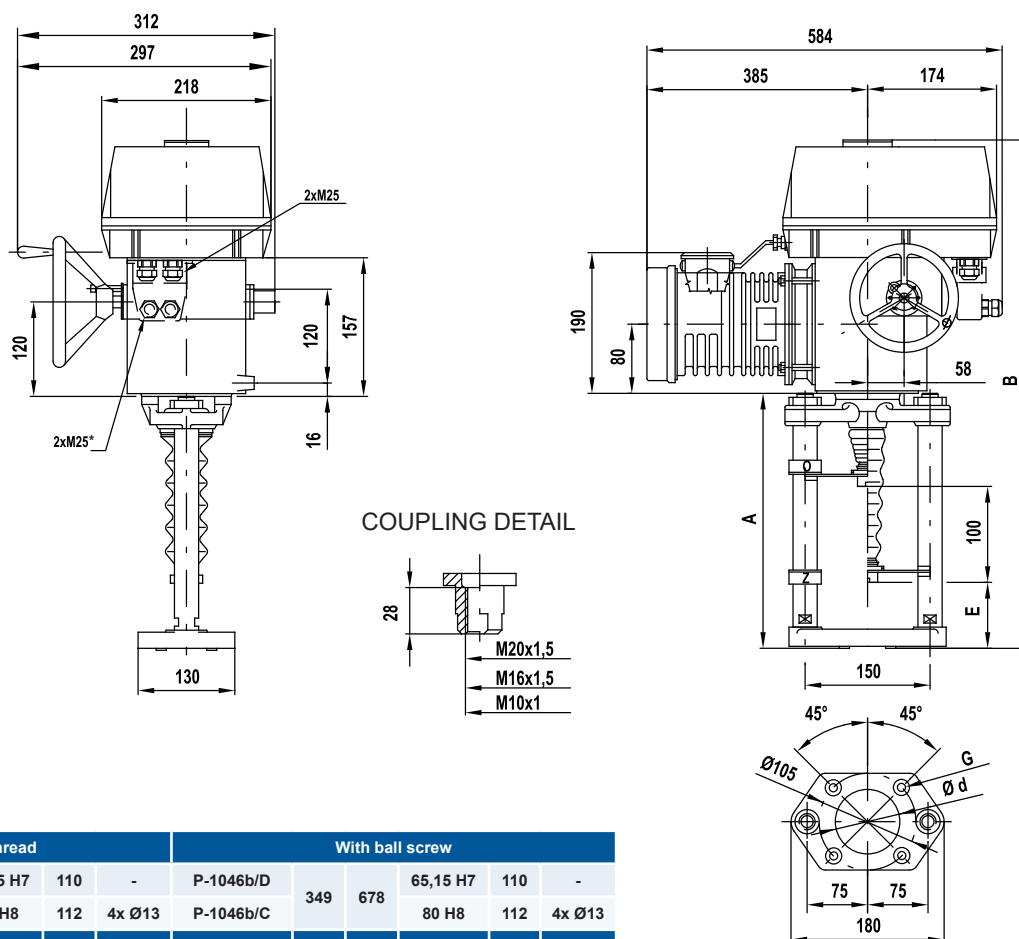
Dimensional drawing MPR



* Valid for connector version only

With trapezoidal thread				With ball screw			
P-1045b/C	130	378	680	P-1045b/H	130	400	702
P-1045b/B	74	320	622	P-1045b/E	74	344	646
P-1045b/A	30	276	578	P-1045b/D	30	300	602
Version	A	B	C	Version	A	B	C

P-1045b



* Valid for connector version only

With trapezoidal thread					With ball screw				
P-1046b/B	327	656	65,15 H7	110	-	P-1046b/D	349	678	65,15 H7
P-1046b/A	327	656	80 H8	112	4x Ø13	P-1046b/C	349	678	80 H8
Version	A	B	d	E		Version	A	B	d

P-1046b

[illegible]