

# Brakes

## Power-off

For combination with:  
DC-Micromotors:  
2842, 3042

### Series FSB 28, FSB 30

	FSB 28, FSB 30	06	12	24		
<b>Nominal coil data at 20°C</b>						
1	Supply voltage (DC) ±10 %	$U_N$	6	12	24	Volt
2	Resistance	R	7,7	30	117	Ω
3	Current	A	0,83	0,43	0,21	A
4	Power	$P_{2 \text{ max.}}$	5,00	5,16	5,20	W
<b>Mechanical response time<sup>1)</sup></b>						
5	Pull in / Dropout-Diode		7,5 / 16			ms
6	Pull in / Dropout-MOV		7,5 / 3			ms
7	Static torque rating		113			mNm
8	Moment of inertia <sup>2)</sup>		1,47			mNm
9	Max. permissible speed		9 000			rpm
<b>Temperature range:</b>						
10	Operating temperature <sup>3)</sup>		- 55 to +65			°C
11	Storage temperature <sup>3)</sup>		- 55 to +130			°C
12	Weight		143			g

Coils are UL Class B rated, 130°C

Leads are 22 AWG, 7/30 Stranded, 200°C, 600V by UL

UL Style 1213, insulation Teflon PTFE Type E, 1,4mm nominal O.D., color blue

Finish is zinc and yellow chromate except for chrome flash clapper and pressure plate

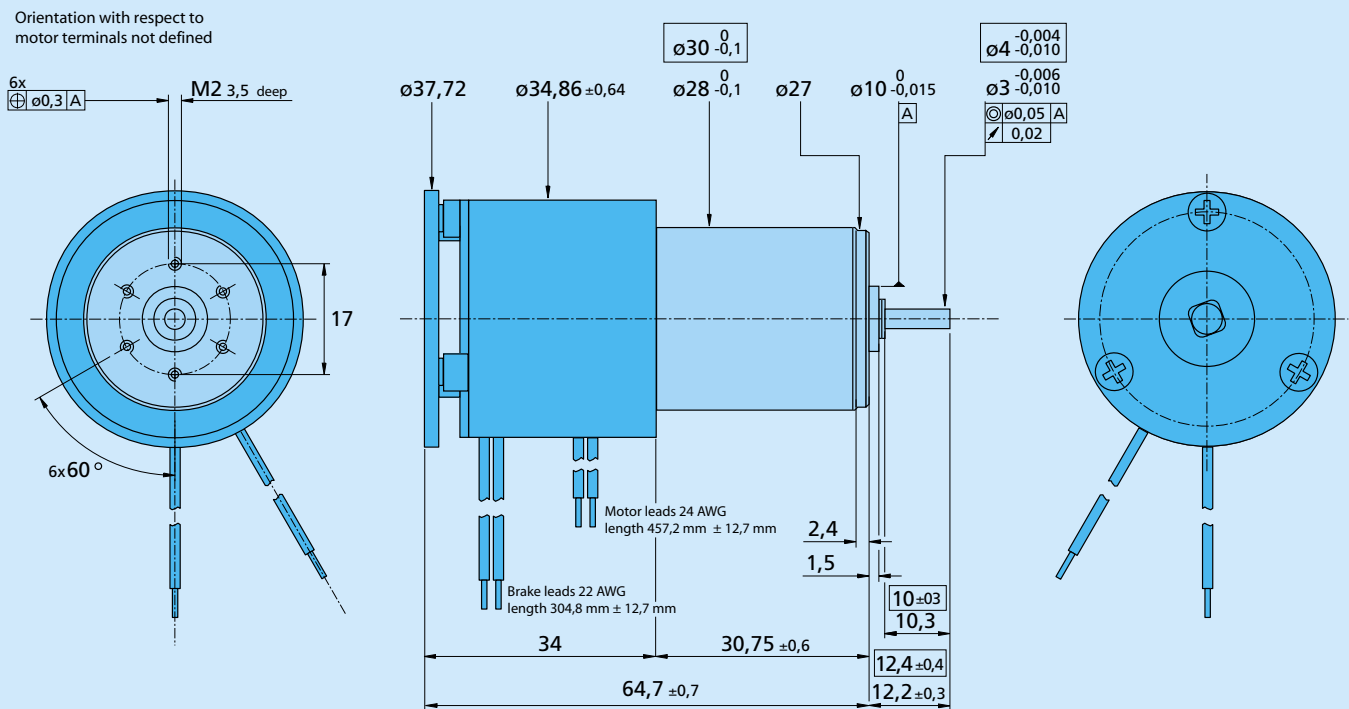
<sup>1)</sup>Diode or MOV is placed across coil for arc suppression when brake is turned off (dropout)

Pull in time is not effected by use of diode or MOV. Without diode or MOV, the dropout time is directly related to the speed of the switch

<sup>2)</sup>Hub and friction disk inertia, also including the shaft adapter for encoder

<sup>3)</sup>Non condensing atmosphere

Scale reduced



BRAKE 28mm & 30mm