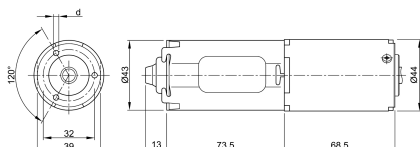


Design Data

Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	A:Sleeve - B:Sleeve

0231 C



Motor picture



Performance data

Rated voltage [V]	U_N	24
Nominal torque [Nm]	M_N	1.50
No-load speed [min^{-1}]	n_0	178.0
Nominal power [W]	P_N	20.0
Nominal current [A]	I_N	3.0
Nominal force [kN]	F_N	0.00
Duty cycle		s3

Sensor data

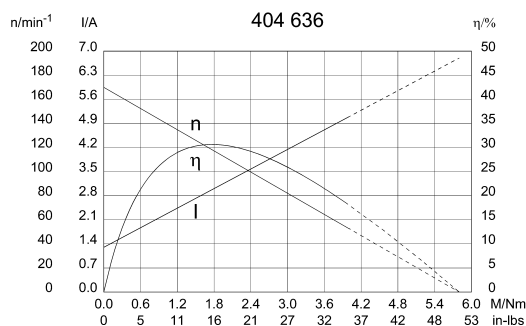
Pulses	20
Output channels	2

Other data

Gear ratio	20/1
Gear wheel material	plastic
Suppression components	4μH, 1nF
Enclosure class	IP 30
Weight [kg]	0.750

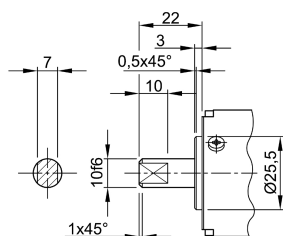
Remarks: d = 3,3mm, for self-cutting screw 4mm (shape Remform)

Characteristic curves

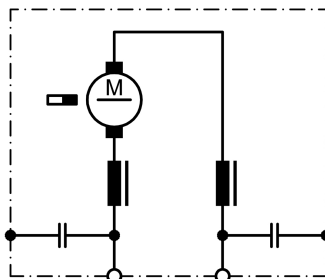


Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)

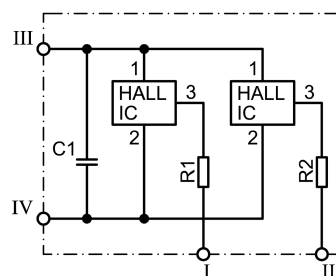
W 249



S 30



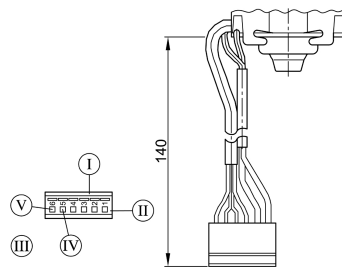
S 109



- I Terminal 1, OUT A1, grey
- II Terminal 2, OUT A2, black
- III Terminal 3, +, white
- IV Terminal 4, -, red

Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)

K 244



Crimp housing 0009501061 (3,96mm,0,156"),

Crimp terminals 008701031 mating with **PCB headers** 0026481066

1 grey encoder out ch1, 2 black encoder out

ch2, **3 white** encoder +, **4 red** encoder -, **5 violet** motor, **6 blue** motor

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Notes