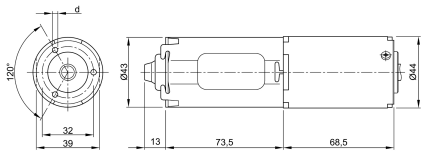
A Nidec Group Company
Nidec Motors & Actuators
All for dreams

Series GMPI
Motor type 404 636

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

0231 C



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

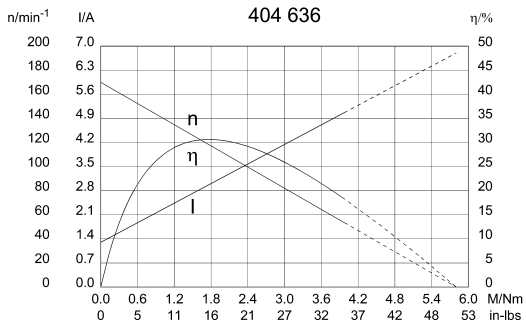
Sensor data	
Pulses	20
Output channels	2

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)

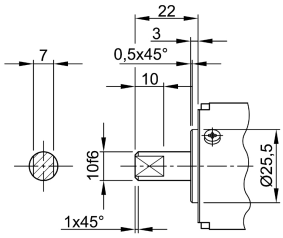
Motor picture

Characteristic curves

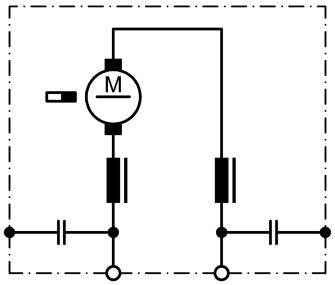


Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)

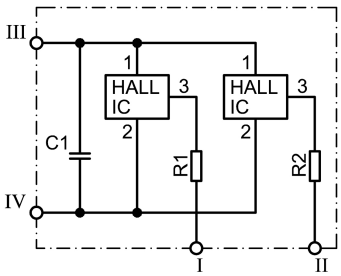
W 249



S 30



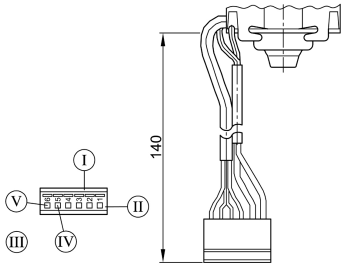
S 109



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