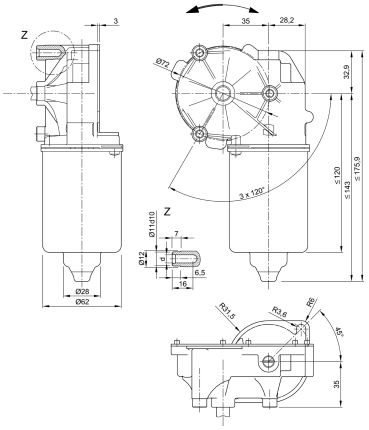
A Nidec Group Company
Nidec Motors & Actuators
All for dreams

Series DCK35
Motor type 404 885

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

0268 AL



Performance data		
Rated voltage [V]	U_N	24
Nominal torque [Nm]	M_N	5.00
No-load speed [min^{-1}]	n_0	62.0
Nominal power [W]	P_N	29.8
Nominal current [A]	I_N	5.5
Nominal force [kN]	F_N	0.00
Duty cycle		s1

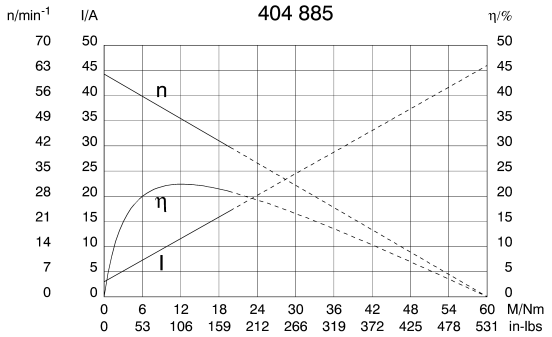
Sensor data	
Pulses	63
Output channels	2

Other data	
Gear ratio	63/1
Gear wheel material	plastic
Suppression components	3,5µH
Enclosure class	IP 30
Weight [kg]	1.250

Remarks: d = for thread-forming screw M6 DIN ISO 965-2

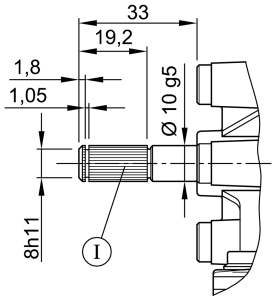
Motor picture

Characteristic curves



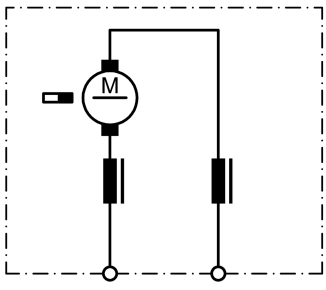
Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)

W 321

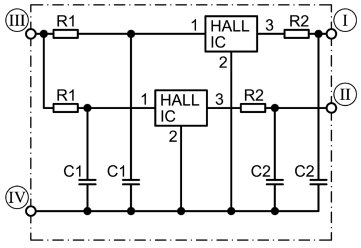


I serration (rolled): **no of teeth** 28, **pitch circle dia** 9 mm, **tip circle dia** 9.6 mm, **root circle dia** 8.26 mm **space width angle** 60°- go/no go gauge Frenco 33906 - www.frenco.de

S 27



S 141

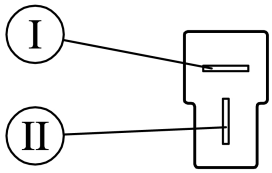


I Hall-IC A1, terminal 3
II Hall-IC A2, terminal 4
III Hall-IC +, terminal 5
IV Hall-IC -, terminal 6

Series DCK35
Motor type 404 885

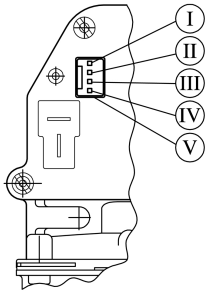
Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)

K 320



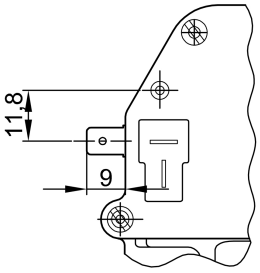
Flat plug (DIN 46244) 6,3x0,8 mating with receptacle housing part#180907, drwg# C-180907& Receptacles for tabs, conductor cross section 0,5-1,5 sqmm (20-18AWG) part# 925603-x, drwg# 925603 www.tycoelectronics.com

K 319



I Hall-IC A1, terminal 3
II Hall-IC A2, terminal 4
III Hall-IC +, terminal 5
IV Hall-IC -, terminal 6
V Mating connector: Panduit CE100 F22 - 04

K 314



I Ground connection
Blade terminal 6.3 x 0.8 DIN 46 244

Notes