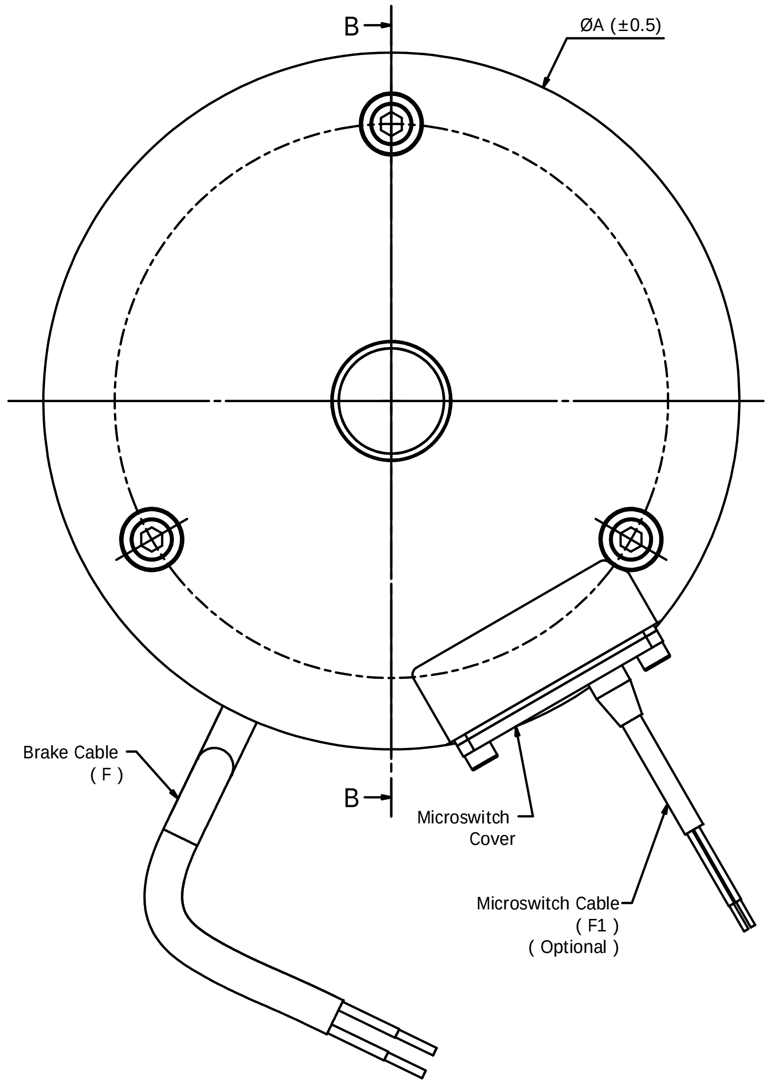
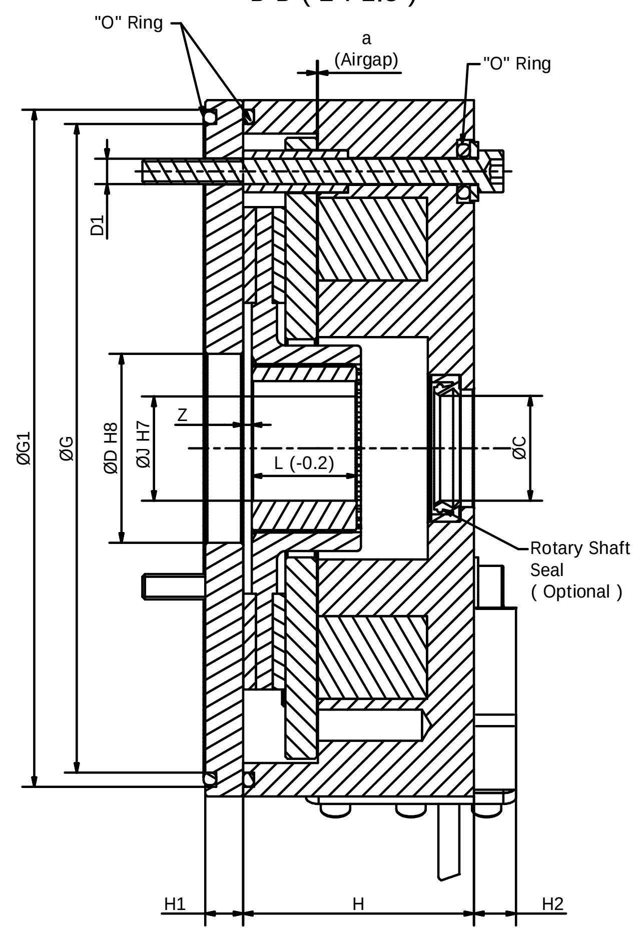
Emco Dynatorq Pvt. Ltd.
(Formerly Emco Lenze Pvt. Ltd.)
ISO 9001 : 2015 Company

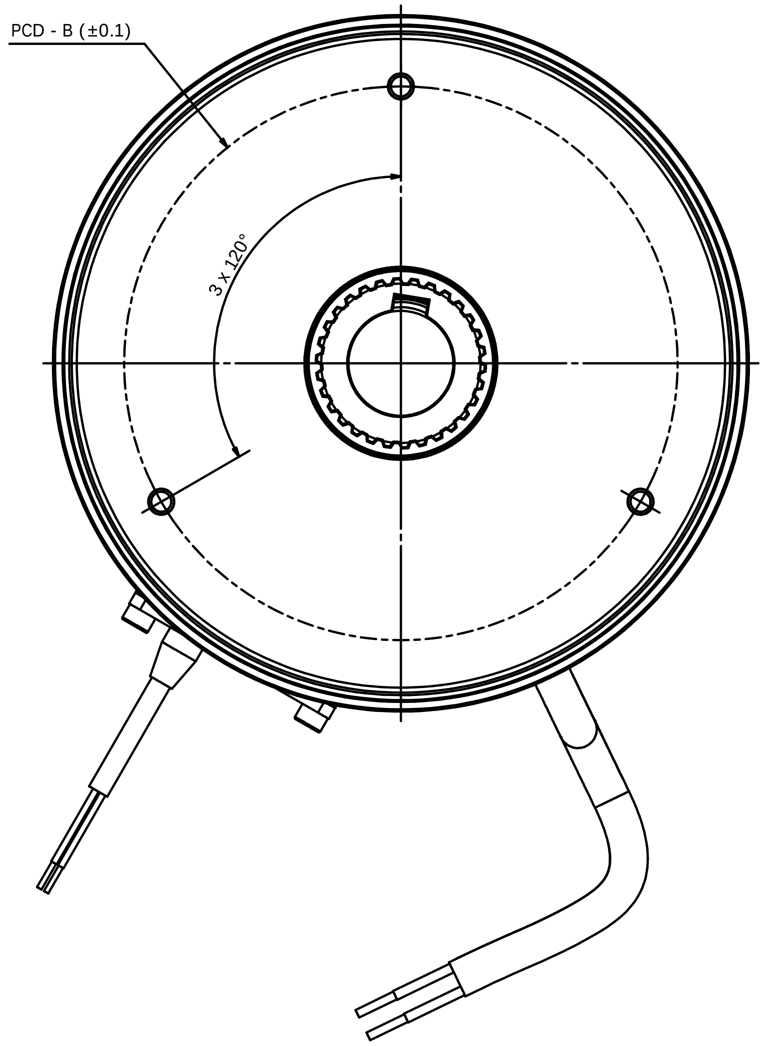
Title :-

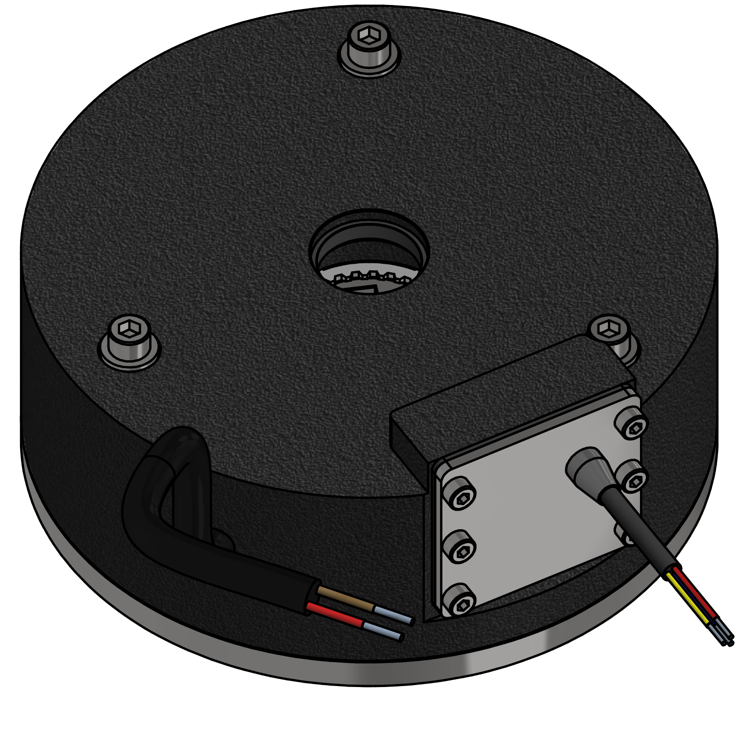
Emco DC Spring Applied Fail Safe Brake - 14.470.xx (10 to 14) with IP - 66 (without brake hand release assembly)

Rev. No.	Rev. Date
00	23-11-2019









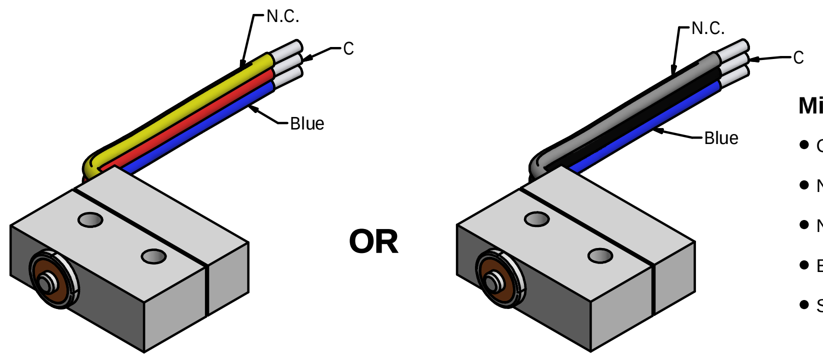
Brake Parameters																		
Brake Size	Input Power P20 (w)	Brake Torque M Rat. (Nm)	a (Airgap)	ØA (±0.5)	PCD - B (±0.1)	ØC	ØD H8	ØG1 (OD)	ØG (ID)	ØJ H7	L (-0.2)	Z	D1	H (±2)	H1 (±0.5)	H2 (±2)	Brake Cable - F	Microswitch Cable - F1
14.470.10	50	16	0.2	145	112	20 max.	40	141.1	134.3	11, 12, 14, 15, 19, 20	20	2	3 x M6	50	9	14	410 (±15)	500 (±15)
14.470.12	60	32	0.3	166	132	25 max.	45	161.4	154.6	15, 19, 20, 24, 25	25	2	3 x M6	55	9	10	410 (±15)	500 (±15)
14.470.14	90	60	0.3	180	145	32 max.	55	176	169.1	19, 20, 24, 25, 28, 30, 32	30	2	3 x M8	63.3	11	12	410 (±15)	500 (±15)

Important :-

- Standard voltages : 24 VDC, 103 VDC, 110 VDC, 190 VDC & 205 VDC. (Other voltages on request.)
- P : Coil power at 20° C.
- Permissible voltage change +5% to -10%.
- Recommended ISO shaft tolerances Up to Ø50 mm = k6, Over Ø50 = m6.
- Keyways to DIN 6885 / IS : 2048.
- Friction material asbestos free.
- Brake to be operated with over excitation voltage rectifier.
- Specifications are subject to change without notice.

Note :- Optional Items will be provided on customer's request only.

Microswitch details



Microswitch Lead wire detail

- C (Common) :- Red OR Black
- N.C. (Normally Closed) :- Yellow OR Grey
- N.O. (Normally Open) :- Blue
- Electrical Rating :- 3A / 250 V AC
- Sealed :- IP 67

All dimension are in mm.

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
00		23-11-2019	V. R. Sharma

Drawn. By :-	Himanshu Gajjar
Appr. By :-	V. R. Sharma
Date :-	23-11-2019

Drg. No:- 14.470.xx - 00001