



MACK basic MOTOR



0.15-1.3 Nm 50-400 W 24-48 Vdc

MADE IN AXOR IND.

MACK TECHNOLOGY: MACK BASIC MOTOR (MKBM)

Brushless Servo Motor

A very robust, high performance, low noise motor for DC voltage supplies.
Engineered & designed to meet axis control applications up to 1.3Nm. Compact dimensions and long-term reliability.

STANDARD FEATURES

- ◆ 8 Pole, no cogging
- ◆ B.E.M.F. sine wave
- ◆ Medium rotor inertia
- ◆ Very low torque fluctuation at minimum speed
- ◆ Mack Serial Encoder, incremental or multiturn absolute
- ◆ Absolute multiturn BiSS encoder feedback (Serial Synchronous Interface)
- ◆ Holding brake
- ◆ Protection rating IP54 & IP65
- ◆ 30cm stub cable for easy connection
- ◆ Special flanges and shafts

SINGLE HYBRID CABLE

- ◆ Power, feedback and signals in one cable
- ◆ Mobile chain track usage, flame / oil resistant
- ◆ External sheath in PUR polyurethane
- ◆ 5 million bend cycles
- ◆ Minimum bending radius: 7 x Ø mm
- ◆ Forward & reverse mounted connector
- ◆ DIN VDE

Optimized for combination with Mack Nano and Mack Uni Nano

SERIES					MKBM 42		MKBM 60			
SIZE (Power)					M (50 w)	L (100 w)	M (200 w)		L (400 w)	
Mo Stall Torque (Δt=70°C) (Nm)					0.16	0.32	0.65		1.3	
Drive Supply Voltage	In	Rated	Current	(Arms)	2.6	5	10	5	20	10
	48 VDC	N _n	Rated	Speed (Mo) (Rpm)	3000 (6000 max)	3000 (6000 max)	3000 (6000 max)	3000 (3500 max)	3000 (6000 max)	3000 (3500 max)
24 VDC	N _n	Rated	Speed (Mo) (Rpm)		3000	3000	3000	1500	3000	1500

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Serial encoder with no moving parts.
Designed & engineered by Axor

BiSS
INTERFACE

Absolute multiturn BiSS encoder feedback
(Serial Synchronous Interface)

Other flanges available

Keystroke or smooth shaft



Single cable system

30cm stub cable

Easy fit, plug in connector,

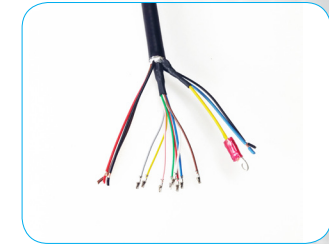


Holding Brake

FREEWARE!!



**Interface &
configuration
software**

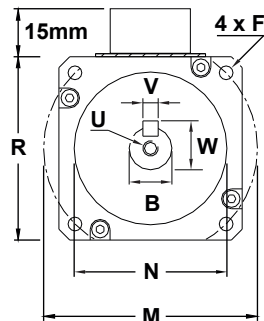
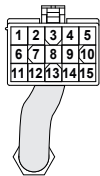


Single cable for power,
feedback & signals

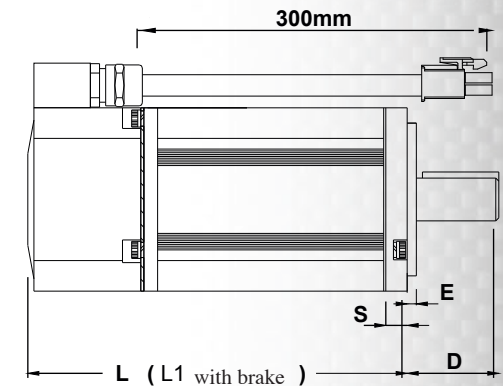


All screw connectors
for quick and easy cabling
PUR

HYBRID



TYPE	Mo	L	L1	B _{h7}	D	V _{h9}	W	U	N _{h6}	M	F	E	S	R
	Nm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
MKBM 42 M	0.16	89	117	8	25	3 x 12	9.2	M3 x 6	30	45 ÷ 48	3.2	2.5	7.5	42
MKBM 42 L	0.32	104	132											□
MKBM 60 M	0.65	99	132	14	30	5 x 25	16	M4 x 10	50	70	5.2	2.5	7	60
MKBM 60 L	1.3	113	146											□



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