



MACK
TRON



24-48 Vdc 0.15-1.2 Nm 50-400 W

MADE IN AXOR IND.

MACK TECHNOLOGY: MACK TRON (MKT)

Integrated Brushless Motor & Drive

*A custom engineered solution to satisfy all demands for quick and simple cabling added to a first-in-class performance to size ratio.
Mack Tron motor with integrated drive is the ideal solution for decentralized application architectures.
Ultra compact for installation in limited space and discreet for enhanced machine design.*

FEATURES

- ◆ 8 pole motors up to 400W
- ◆ B.E.M.F. and current sine waveforms
- ◆ Mack Serial Encoder, single or multiturn absolute
- ◆ Bi-color LED status signals
- ◆ SpeederOne.2 PC software interface
- ◆ RS485 for setup and monitoring
- ◆ Protection rating IP54 and IP65 on request
- ◆ Automatic holding brake
- ◆ Electromagnetic holding brake
- ◆ Special flanges and shafts
- ◆ STO Safe Torque Off
- ◆ 3 Digital inputs (programmable)

CONTROL MODES

- ◆ CANopen
- ◆ EtherCAT
- ◆ Modbus-RTU
- ◆ Digital positioning

HYBRID CABLE

- ◆ All Powers - Safeties - Signals - RS485 in 1 cable
- ◆ Mobile chain track usage, flame / oil resistant
- ◆ External sheath in PUR polyurethane
- ◆ Cycles: 5 million bend cycles
- ◆ Minimum bending radius: 7 x Ø mm
- ◆ Mounted with forward or reverse connector
- ◆ DIN VDE

USB Modbus-RTU CANopen EtherCAT

MODEL		MKTB42		MKTB60			
SIZE (Power)		M (50W)	L (100W)	M (200W)	L (400W)		
Mn Rated torque at Nn ($\Delta t=70^{\circ}\text{C}$)	Nm	0.15	0.3	0.6	1.2		
Power Supply grounded system only		24 - 48 VDC (9 VDC min - 65 VDC max)					
WINDING CODE		F32	F42	J30	J32	J42	
Rated Speed	48 VDC (Power Supply)	N _n (Rpm)	3000 (6000 max)	3000 (6000 max)	3000 (6000 max)	3000	3000
		IDC (ADC)	1.25	2.5	5	5	10
Rated Speed	24 VDC (Power Supply)	N _n (Rpm)	3000	3000	3000	1500	1500
		IDC (ADC)	2.5	5	10	5	10

MACK TECHNOLOGY: MACK TRON

- High overvoltage management
- Optimized operating temperature management

FREEWARE!!
Speeder one .2
Interface & configuration software

P.N.: F1jet/15.05.18/MKT

Less cabling with the single hybrid cable.
all Powers - Safeties - Signals
RS485 for PC Setup and Modbus control



Digital Inputs



Daisy chain
Ethercat & Canbus



Bi-color LED
status signals

Axor designed
& engineered
drive integration

STO - Safe Torque Off
to CEI EN 61800-5-2 SIL 2
ISO EN 13849-1 PLd 60536
Safety Class III

Peak Torque:
3xRated Torque

Up to 6000 Rpm



Mack Nano Clamp
Digital Braking Module



Custom connector blocks



Automatic Holding Brake

All screw connectors
for quick and easy cabling



Highly flexible & tight bend radius