



MACK TRON 2. B 60

SMART INTEGRATED
SERVOMOTOR



CANopen

EtherCAT

Modbus-RTU - RS485

48 Vdc	0.6-2.16 pk Nm
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MACK TECHNOLOGY: MACK TRON 2 B 60 (MKT2B60)



Brushless servo-motor with integrated drive

MackTron2 is the upgrade of the previous version of servo-motor with integrated drive Mack Tron. Power supply 48Vdc, rated torque M1 0.6 Nm - peak torque 2.16 Nm. It's distinguished by the simple and fast cabling, as well as high performances in small dimensions.

MackTron2 is the ideal solution for applications with de-centralized architecture, significantly reducing the footprint inside the electric panel or even eliminating the panel itself. Ultra compact dimensions for installation in limited space, without affecting the machine design.

STANDARD FEATURES

- ♦ B.E.M.F. and waveform current
- ♦ Very low torque fluctuation at low speeds
- ♦ Serial encoder, absolute single-turn or multi-turn
- ♦ Automatic management of the electromagnetic holding brake
- ♦ Bi-colour status and diagnostic LED
- ♦ SpeederOne.2 software interface
- ♦ RS485 for configuration, diagnostic and positioning
- ♦ IP class protection IP54 and IP65
- ♦ STO Safe Torque Off
- ♦ SBC Safe Brake Control
- ♦ 3 digital inputs programmable
- ♦ Limit switches directly managed by MackTron2
- ♦ Performances declared in the worst conditions: torque curves measured with motor thermally insulated (in air) at 40°C ambient temperature

OPERATIVE MODE

- ♦ CANopen
- ♦ EtherCAT
- ♦ Modbus-RTU-RS485
- ♦ Analogic throttle for speed and torque control

HYBRID SINGLE CABLE

- ♦ Power supply and signals in a single cable
- ♦ Mobile usage for chain track, flame / oil resistant
- ♦ Vinyl flex external sheath - PVC
- ♦ 5 million bending cycles
- ♦ Minimum bending radius: 60 mm static, 120mm dynamic
- ♦ Operating temperature: -20°C / +80°C (dynamic)
- ♦ Trail speed: 300m/min. max
- ♦ DIN VDE
- ♦ Acceleration: 20m/sec²

MODEL	MKT2B60
SIZE	L
M1 Torque at 100Rpm (TA=40°C)	0.6Nm
Mpk Peak Torque	2.16 Nm
Power Supply	48 Vdc (24 Vdc available with reduction of rated speed)
Winding Code	J42
N _n Rated Speed at 48 VDC	3000 Rpm



Less wiring through the single hybrid cable
Power supply, safeties, signals and
Modbus-RTU- RS485

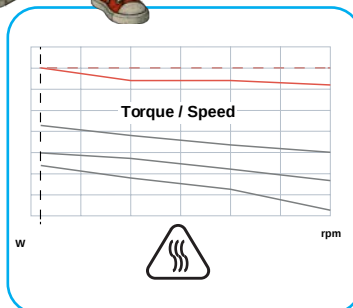
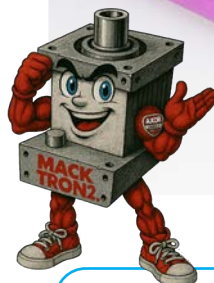
Holding brake available



Mobile cable usage in Vinyl flex - PVC



Analog Throttle
Speed/Torque control



Torque Curves



Freeware



Hibryd single cable



CB CanBUS control mode
EC EtherCAT control mode



Connector orientation front/rear

Bi-colour status and diagnostic LED



Digital inputs management (limit switch)