

The Economy Series for Customer Applications in High-Volume Business

As the most compact model in the HeiTronX series, the HTE stands out thanks to its compact design and high efficiency. The HTE can be used in a wide range of drive technology applications, with an integrated singleturn or multiturn encoder. The standardized CANopen® communication protocol allows the HTE to be integrated into standard commercial control systems.



Cost Effectiveness and Areas of Application

Its outstanding suitability for large-scale projects stems from its superior adaptability. Designed for high-volume projects, it not only meets technical requirements but also offers economic advantages. The HTE operates in the range of up to 72 V_{DC} supply voltage and is, therefore compatible with many common battery systems. Together with the optionally available STO (Safe Torque Off) function, it is the ideal choice for applications in automated warehouses, AGVs (Automated Guided Vehicles), robotics systems, and mobile applications.

High Performance in Industrial Environments

The technical data proves the performance of the HTE: peak torques of up to 2 Nm and a rated speed of 3,000 to 6,000 rpm under challenging environmental conditions in industrial settings. With up to four digital inputs, one digital and one analog output each, and the CANopen® fieldbus interface, the HTE is ideally suited for these applications.

Modularity and Configurability

In terms of design, the HTE, based on HMD servo motors, offers enormous modularity in the 24 V and 48 V range with installation lengths between 134.0 mm and 244.5 mm, while also providing a space-saving solution. Optionally available holding brakes and a wide range of connection options complete the HTE profile as a future-proof drive solution.

The Economical Option for Small-Batch Projects in Drive Technology

In summary, the HTE is an excellent choice for companies that place a high value on cost-effectiveness and functionality.

Motor Type

Type	Rated speed n_n [rpm]	Rated torque at 40°C ambient temp. M_n [Nm]	Peak torque M_{max} [Nm]	Size L [mm]			
				Singleturn without brake	Multiturn without brake	Singleturn with brake	Multiturn with brake

HTEo6 - 24 V_{DC}

HTE06-011	3,000	0.4	1.0	134	147	174	187
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HTEo6 - 48 V_{DC}

HTE06-011	6,000	0.4	1.0	134	147	174	187
HTE06-011	3,000	0.8	2.0	134	147	174	187
HTE06-019	3,000	1.1	2.0	159	172	199	212
HTE06-026	3,000	1.3	2.0	189	202	229	245

Specifications

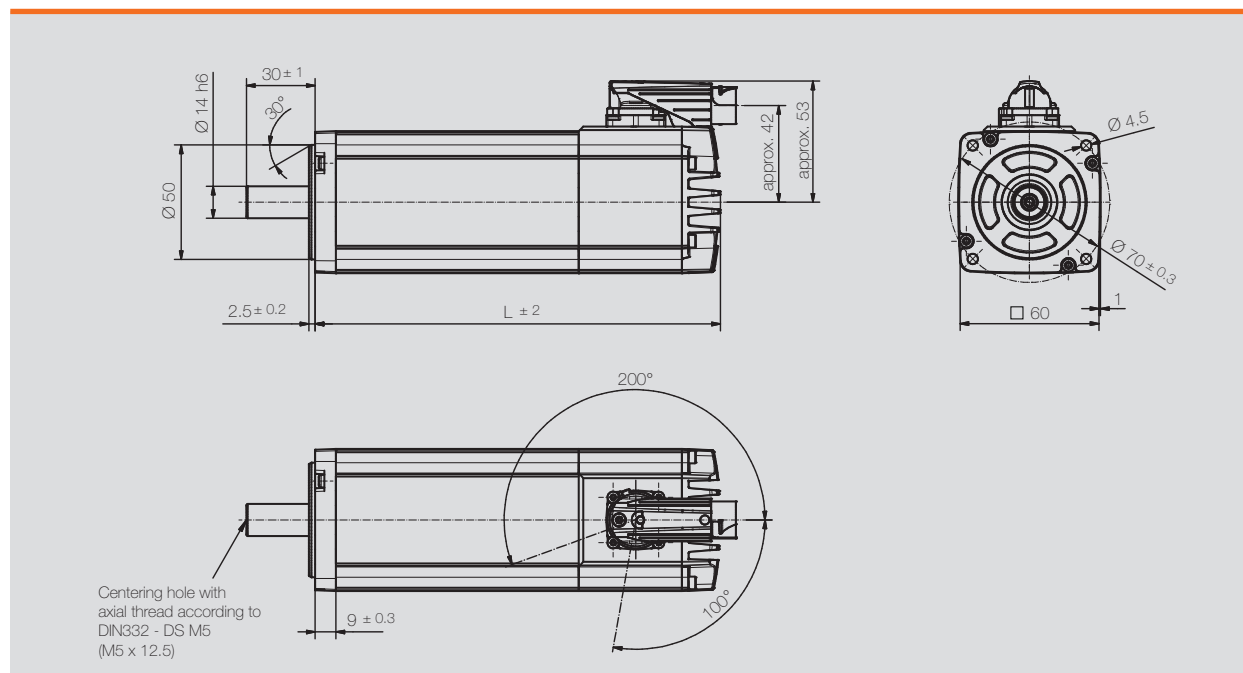
Power supply	Rated voltage	19 - 72 V _{DC}
	Max. rated current	13 A _{DC} / 21 A _{DC} (peak) ¹⁾
Logic supply ²⁾	Voltage	19 - 30 V _{DC}
Protection type		IP65 (AS-side IP21)
Interfaces		CANopen®
Configuration software		Heidrive Drive Manager (HeidriveGUI)
Inputs		1 x analog input 4 x digital input
Outputs		1 x digital output
Brake control		integrated
Holding brake		optional
Connectors		I-Tec / Y-Tec
Encoder system		Singleturn / Multiturn
Safety function		STO ³⁾

¹⁾ At 48 V_{DC}

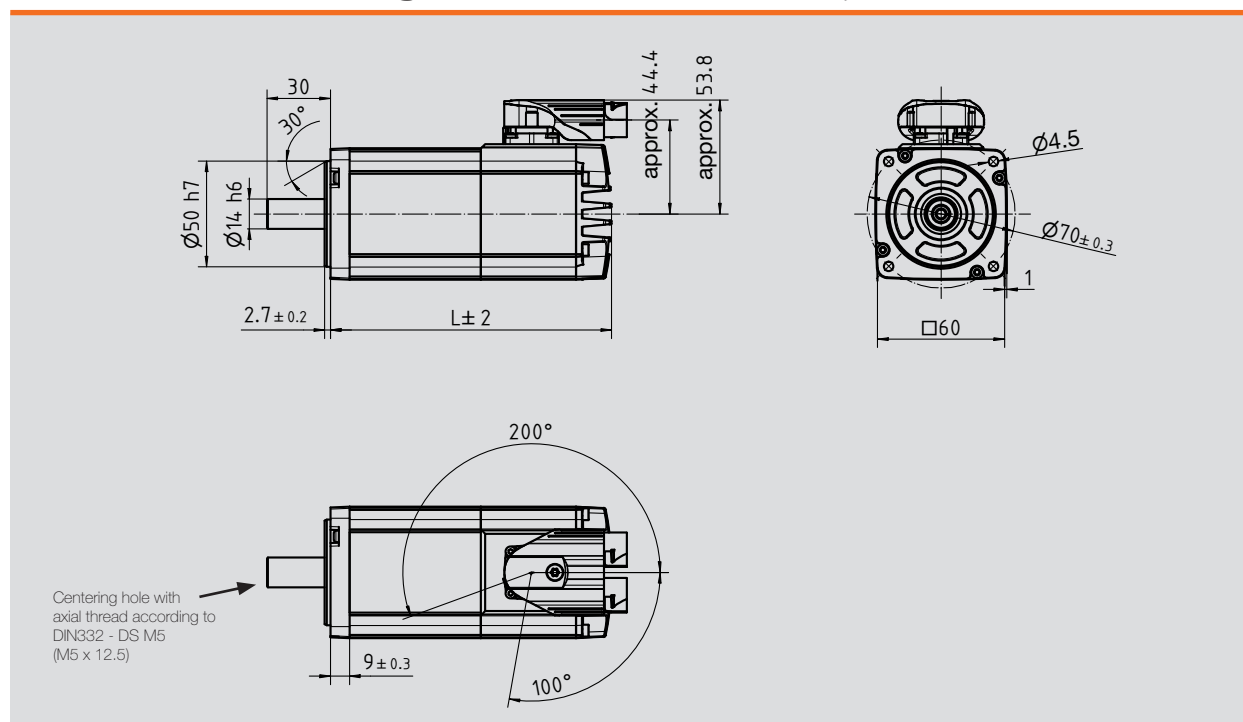
²⁾ Power and logic supply can be separated or combined

³⁾ Certification in progress

Dimensional Drawing HTEo6 - I-Tec | CANopen® *



Dimensional Drawing HTEo6 - Y-Tec | CANopen®/STO/IO**



* see page 6

** see page 7

Motor Type

Type	Rated speed n_n [rpm]	Rated torque at 40°C ambient temp. M_n [Nm]	Peak torque M_{max} [Nm]	Size L [mm]			
				Singleturn without brake	Multiturn without brake	Singleturn with brake	Multiturn with brake
HTEo8 - 48 V _{DC}							
HTE08-024	3,000	1.3	2.0	159	172	208	221

Specifications

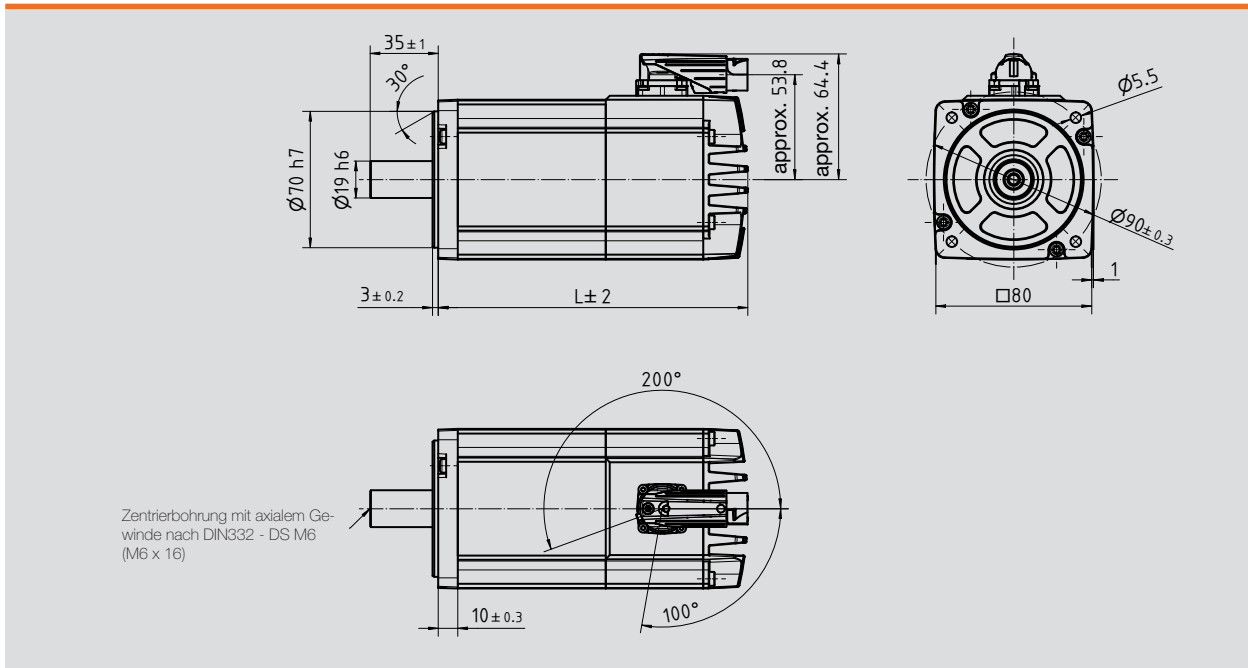
Power supply	Rated voltage	19 - 72 V _{DC}
	Max. rated current	13 A _{DC} / 21 A _{DC} (peak) ¹⁾
Logic supply	Voltage	19 - 30 V _{DC}
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¹⁾ At 48 V_{DC}

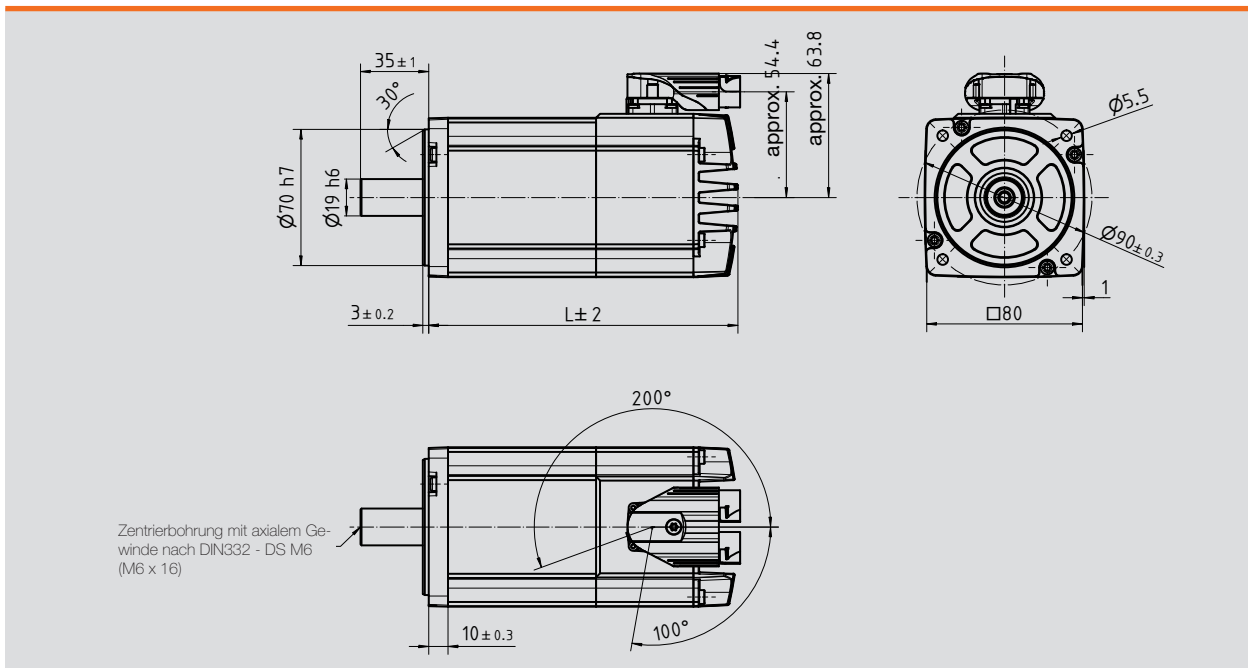
²⁾ Power and logic supply can be separated or combined

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Dimensional Drawing HTEo8 - I-Tec | CANopen®*



Dimensional Drawing HTEo8 - Y-Tec | CANopen®/STO/IO**

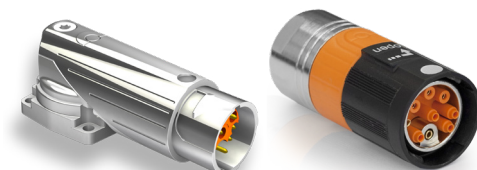


* see page 6

** see page 7

Pin Assignment

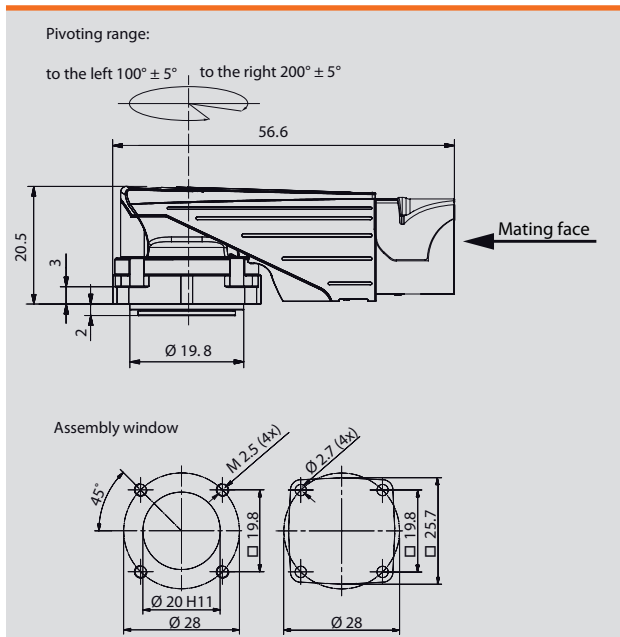
I-Tec



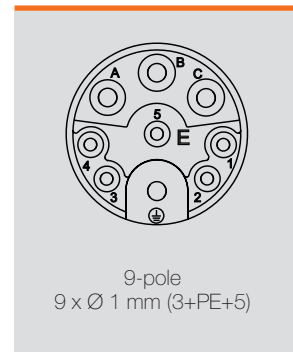
I-Tec | CANopen®

Pin	Designation
A	POWER
B	GND
C	LOGIC
⊕	PE
1	CAN_L
2	CAN_H
3	-
4	CAN_GND
5	-

Motor Connector rotatable angle mounting box I-Tec



Motor Connector



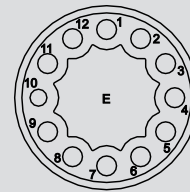
Y-Tec



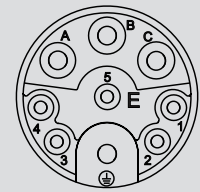
Y-Tec | CANopen® | I/O

Pin	Designation	Pin	Designation
A	POWER	1	CAN_L
B	GND	2	CAN_H
C	Logic	3	CAN_GND
	PE	4	dig. Input 1
1	-	5	dig. Input 2
2	-	6	D-GND
3	-	7	Dout1
4	-	8	an. Input 1
5	-	9	an. GND
		10	dig. Input 3
		11	dig. Input 4
		12	-

Motor Connector



12-pole
12 x Ø 1 mm

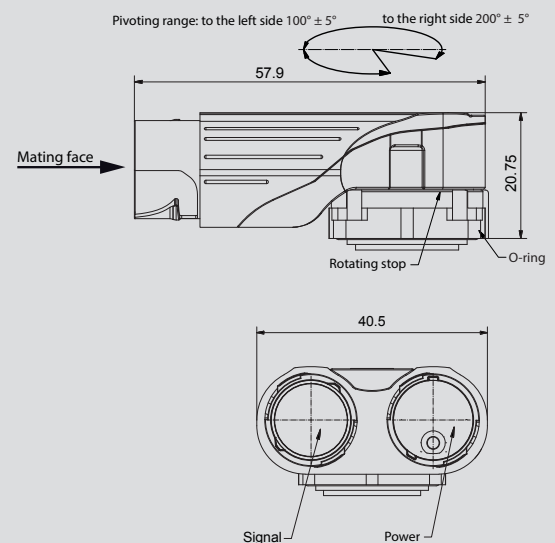


9-pole
9 x Ø 1 mm (3+PE+5)

Y-Tec | CANopen® | STO

Pin	Designation	Pin	Designation
A	POWER	1	CAN_L
B	GND	2	CAN_H
C	Logic	3	CAN_GND
	PE	4	dig. Input 1
1	-	5	dig. Input 2
2	-	6	D-GND
3	-	7	STO - A
4	-	8	STO - Agnd
5	-	9	STO - B
		10	STO - Bgnd
		11	STO - FB
		12	STO - FBgnd

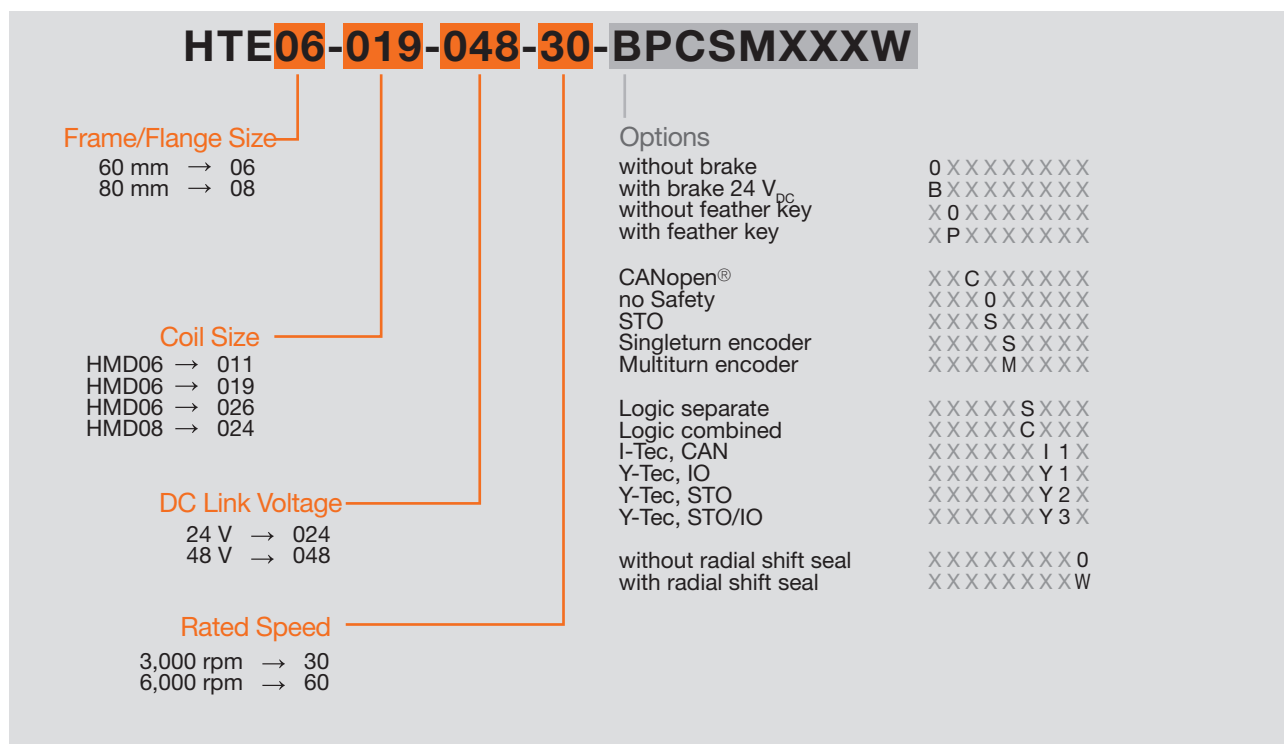
Motor Connector rotatable angle mounting box Y-Tec



Y-Tec | CANopen® | STO | I/O

Pin	Designation	Pin	Designation
A	POWER	1	dig. Input 1
B	GND	2	dig. Input 2
C	Logic	3	D-GND
	PE	4	Dout1
1	CAN_L	5	an. Input 1
2	CAN_H	6	an. GND
3	-	7	STO - A
4	CAN_GND	8	STO - Agnd
5	-	9	STO - B
		10	STO - Bgnd
		11	STO - FB
		12	STO - FBgnd

Order Code



Can be combined with HMD gearboxes, see www.heidrive.com.

Specifications subject to change! Last changes 11/2025

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