

# H100 Series Multi-function Control Handle

## Product Features

- **Hall sensor;**
- 5 to 48V wide range input voltage;
- Mechanical spring-return operation;
- Excellent 0 to 5V analog proportional control output;
- Easy to install, flexible operation, maintenance-free;
- Ergonomics design, multifunction control handle comes equipped with large dual thumb wheels, lift, lower and horn buttons for simplified operation of all controls with either hand;
- CE approved, RoHS 2011/65/EU, Annex II, including (EU) 2015/863 compliant.



## Application

RunnTech H100 Multifunction control handle, also known as Tiller head is mainly used in electric-vehicle applications, for example in electric pallet truck, pedestrian industrial truck, transport trolleys, cleaning machinery, special applications, etc.

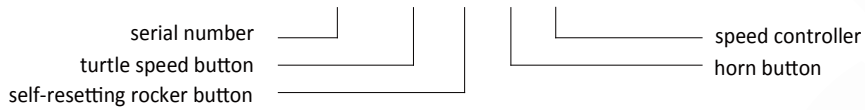
## Technical Information

Environment Parameter		
Storage Temperature	-50°C...+80°C	
Operating Temperature	-40°C...+80°C	
Protection Grade	IP64	
Vibration	Amplitude±3g, Frequency: 10Hz-200Hz	
Impact	20g, 6ms, Semi-sinusoidal	
EMC Anti-interference Rank	100V/m, 30MHz to 1GHz, 80% sine-wave modulation, meet EN50082-2 (1995) standard	
EMC Emission Rank	Rank B, 150KHz to 30MHz, meet EN50081-2 (1993) standard	
ESD Anti-interference Rank	Rank 4, 8KV contact discharge, 15KV air discharge, meet IEC61000-4-2 standard	
Mechanical Parameter		
Mechanical Angle	Potentiometer: ±32°, Hall sensor: ±20°	
Operating Torque	5N (50N max)	
Mechanical Life	5 million	
Mechanical Error	± 0.5°	
Electrical Parameter		
Hall Sensor	Power Supply Voltage	5±0.5V DC
	Power Supply Current Consumption	6.5mA/hall sensor
	Resolution Ratio	infinite
	Maximum Voltage	15VDC
	Reversed Polarity Maximum Voltage	14.5VDC
	Load Resistance	5KΩ
	Median Voltage (no-load)	48 - 52%Vs

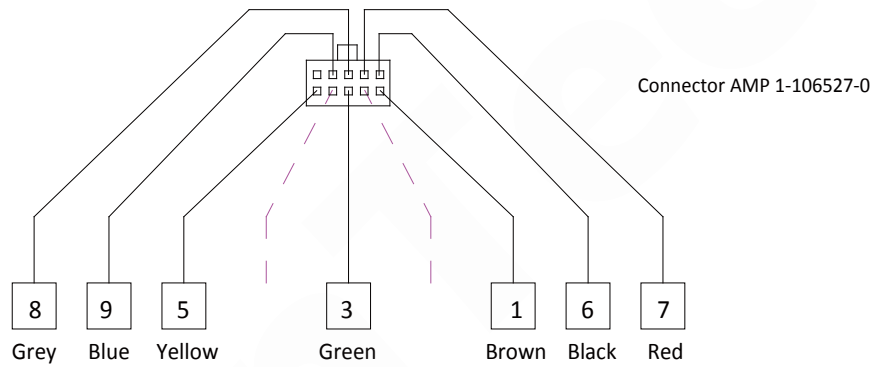
## Product Configuration

No.	Item	Content
1	Serial Number	H100 multifunction control handle (tiller head)
2	Turtle Speed Button	G
3	Self-resetting Rocker Button	Q
4	Horn Button	L
5	Speed Controller	T

**H100 - G - Q - L - T**



### Speed Controller Connector Definition



- 8: Collision Avoidance Switch (always open)      9: Go Forward (always open)      5: Out (0 - 5V)
- 1: Collision Avoidance Switch (always close)      3: Go Backward (always open)      6: 0V      7: 24V

## Product Installation

