



Thumbwheel 151DT01

Robust, compact design.

Thumbwheel 151DT01 is used in the armrests and control panels of agricultural machines and off highway vehicles. It can also be installed in Joystick grip 351G and used to control various analogue functions.

Technical specifications

- Long service life due to contactless Hall-effect technology
- Actuation type: No-detent
- Output signal: Ratiometric analogue
- High temperature range from -25 °C to +85 °C
- IP67 protection class

Electrical data

Attribute	151DT01
Polarity reversal protection	no
Output signal min.	0.5 V DC
Output signal max.	4.5 V DC
Output signal	analogue
Operating voltage min.	4.5 V DC
Operating voltage max.	5.5 V DC
Current consumption	max. 15 mA
Load resistance min.	20000 Ohm
Short-circuit resistance to GND	yes
Short-circuit resistance to supply	yes
Technology	Hall
Output signal - centre position/zero position	2.5 V

Mechanical data

Attribute	151DT01
Lever length	15 mm
Deflection	$\pm 35^\circ$
Actuation type	no detent
Service life, mechanical (Cycles)	1000000

Environmental conditions

Attribute	151DT01
Protection class, electronic	IP67 DIN EN 60529
Operating temperature min.	-25 °C
Max. operating temperature	85 °C
Min. storage temperature	-25 °C
Max. storage temperature	85 °C

Installation

Attribute	151DT01
Installation	from below

Connection

Attribute	151DT01
Cable length	0.8 m