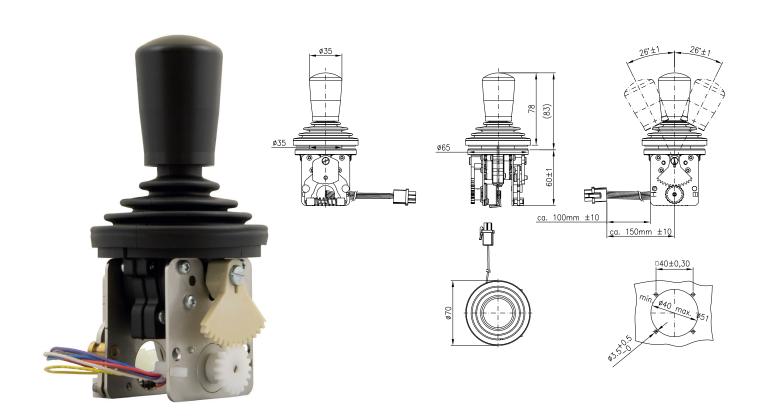
J-ST4-1/2

ST4

J-ST4-1/2





A specially-designed joystick for wind and rain, snow and ice. The innovative drive block, made of special plastic, guarantees even with defective rubber boot tightness and functionality when water

enters. Specially designed for construction and agricultural machinery without cabin, this version ensures maximum performance. For everything that is exposed to wind, weather and sunlight.



J-ST4-2/2 ST4 **J**-ST4-2/2

rors and techn

Drive E

Arrangement Y, X









Basic version with:

- Lever deflection ± 26°
- Handle G45
- · Rubber boot
- Installation from below

Technical information:

- Electrical TI-ST4-1/2
- Mechanical TI-ST4-2/2

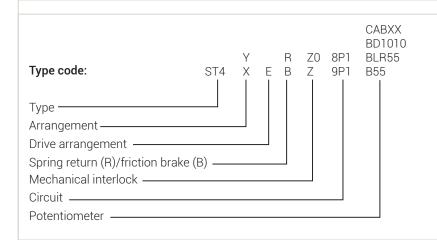
Note: Spring return or friction brake is required, see additional charge.

Options:

- Spring return R
- Friction brake B
- Mechanical interlock Z
- Mechanical interlock with reed contact Z0
- Potentiometers with/without amplifiers see sheet E-Electronic-1

Contact circuits:

- 8P1 (connection cable 0,4m)
- 9P1 (solder connection)





TI-ST4-1/2 ST4

Installation dimensions

External diameter with escutcheon

Mounting dimensions

Mounting depth

ø 70 mm

ø 40 mm to 51 mm

60 mm from mounting plate

Mechanical characteristics

Lever deflection ± 26°

Impact force max. 400 N at 90 mm distance from pivot point Impact force in Z-direction ± 400 N (compressive and tensile loading)

Life cycle > 6 million operating cycles under the influence of climate (-40°C bis +85°C)

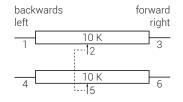
Brake power 8N ± 1 Retraction force 4N ± 1

Electrical characteristics

Potentiometer BD1010 conductive plastic, redundant

resistance: per lane 10 KOhm connection: 6-polig Mat N Lok

Assignment deflection joystick - connection potentiometer / extension cable



Pin Mat N Lok	Color extension cable
1	red
2	yellow
3	blue
4	white
5	violett
6	grey

Potentiometer BLR55 technical informations see TI-POTI-6 Potentiometer B55 technical informations see TI-POTI-5

Reedcontact for mechanical interlock

1 opener

Connection: 2-pin Mat N Lok

General characteristics

Working temperature -40°C to +85°C Storage temparature -50°C to +90°C IP67

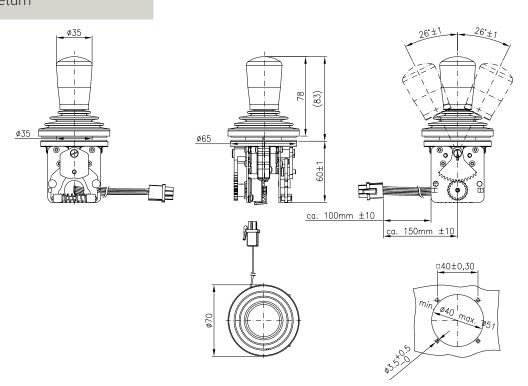
Degree of protection from outside (with standard handle and boot)

TI-ST4-2/2

ST4-2/2

Version: Handle G45, spring return

TI-ST4-2/2



Dimension sheet ST4

Version: with mechanical interlock, handle G45-Z, friction brake, reed contact

