

Disc brakes

Technical data and dimensions

Caliper 2SA

Fail safe braking
Braking by spring application
Electromagnetic release
Manual lining wear compensation
Opening proving switch
Air gap switch

Operating conditions:

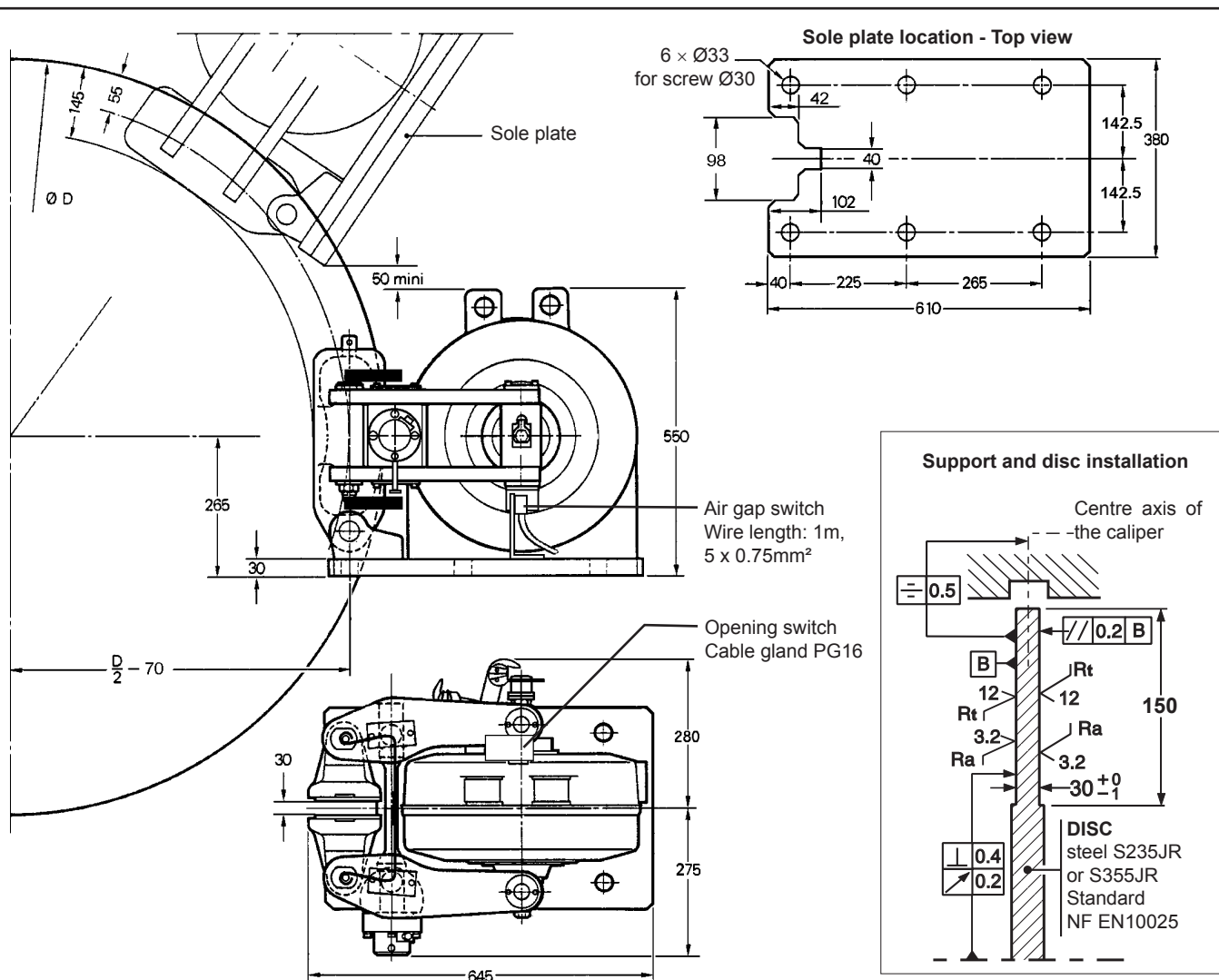
- Ambient temperature: -10°C to $+60^{\circ}\text{C}$
- Relative humidity $\leq 70\%$
- Dust in atmosphere $\geq 65\mu$
- Other conditions, consult us.

Use:

The brake should be applied only in case of emergency stop, overspeed or shutdown of electric mains.

Options:

- Detection of full lining wear
- Load regulated lowering



Weight : 400kg

Torque and force values are subject to a variation of $\pm 10\%$

Response time at nominal torque :

see the leaflet of the associated electrical power supply.

Designation	Caliper	2SA	
	Lining *	US2-1	US2-5
Braking force BF for 1mm of air gap disc/lining	Static N	90 000	84 600
	Dynamic N	100 000	94 000
Linear speed of the disc	m/s	≤ 10	≤ 10
Dynamic braking torque BT (N.m) for 1 caliper and disc ØD (mm)	N.m	BT = BF(D/2000 - 0,055)	

• Opening proving switch:

250VAC maxi., 5A maxi., with interrupting capacity : 50VA maxi
220VDC maxi., 5A maxi., with interrupting capacity : 50W maxi

Compatible with PLC (Programmable Logic Controllers).

An opening switch used with other equipment than PLC must not be reused with a PLC.

• Air gap switch:

240V, 3A AC

250V, 0.27A DC

* **US2-1:** disc temperature during one braking $\leq 150^{\circ}\text{C}$

US2-5: disc temperature during one braking $\leq 350^{\circ}\text{C}$

Due to continuous development and improvement, all dimensions and characteristics are subject to change without notice.

Electrical power unit
Drawings

Leaflet No. T04800-01
No. G06400-01

Installation and maintenance
Spare parts

Leaflet No. M08341-01
No. S09340-01

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