Constant deceleration with CRD®

Questionnaire

Customer : _____ Country : _____

Equipment : _____ Calipers: type and quantity : _____

Contract ref.: _____ Date : _____

General characteristics

Nominal speed (m/s) : _____

Voltage supply 230 - 400 V AC. : *yes / no*

Voltage supply 24 V DC. : *yes / no*

Speed signal : - Speed sensor → frequency (Hz) : _____ (Mini = 400 Hz)

(at nominal speed) - Tachymetric dynamo → voltage (V.) : _____

Braking Characteristics

Caliper type: - Electromagnetic /Hydraulic : _____

Power unit type: - STE210Y5-M2 / STE210Y5-Z2 / other : _____

Control enclosure type: - AFR5-M2 / AFR5-Z2 / other : _____

Deceleration desired (m/s²) : _____ Maxi lowering speed desired : _____ (m/s or %Vn)

or

Braking time desired (s.) : _____

End of regulation point - full torque is applied (% of nominal speed - default setting: 2%) : _____

Operating possibilities

deceleration fault control:

γ >>: deceleration is too high

γ <<: deceleration is too low

variation/ scale (% Vn)	none	5%	10%	15%(*)	other value
Fault detection γ >>					
Fault detection γ <<					

Vn : nominal speed

"S" curve: *yes / no (*)*

if *yes*:

Jerk duration	None(*)	1s.	2s.	3s.	value (m/s²)
Jerk at beginning of braking					
Jerk at end of braking					

Lowering ou Speed regulation: *yes / no (*)*

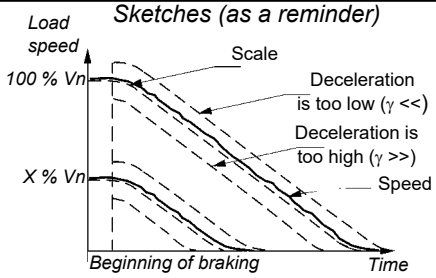
if *yes*: - internal scale selection ? *yes (*) / no*

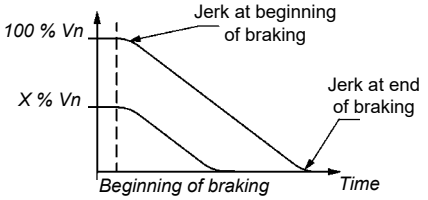
if *no*: external scale use :

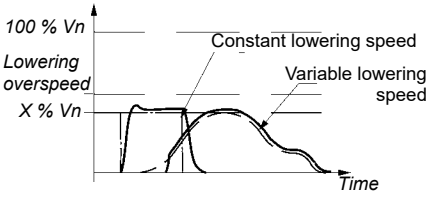
❒ potentiometer with automatic zero restoring ("joystick", 10 kΩ–0,5W)

or ❒ Signal 0-10 V

Sketches (as a reminder)







(*): factory default settings

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