Brake Operation Criteria

for brakes in a hoisting

Inquiry / Project Ref.

Client

Quotation Number

Data Brake								
preferred version	drum brake	☐		disk brake	☐			
location	indoor	☐		outdoor	☐		roofed	☐
ambient temperature	from		[°C]	to		[°C]		
humidity	dry	☐		wet	☐		rel. humidity	[%]
	dusty	☐		abrasive	☐			
aggressive substance	acidic	☐		saline	☐		substance:	
electric connection	supply current		[A]	supply voltage		[V]		
options	cover hood	☐		aluminum	☐		stainless steel	☐
	inclusive thruster	☐						
	manual lifting	☐						
	sensor	☐		inductive	☐		mechanical	☐
	PLC-suitable	☐		control voltage		[V]	AC / DC	☐ / ☐
	brake open	☐		brake closed	☐		low residual travel	☐

Data Hoisting Gear			
lifting capacity			[t]
mass of load-bearing device	jig, hook block, etc.		[kg]
number of brakings			[1/h]
load spectrum class			
lifting speed	at full load		[m/min]
	without load		[m/min]
number of wire ropes	total number of **all** bearing ropes		
number of ropes on drum	number of hoists		
number of wire rope drums			
rope drum diameter	middle of rope or last rope position		[mm]
gear ratio			
engine	number		
	power performance		[kW]
	nominal speed		[min^{-1}]
	duty cycle		[%]
moment of intertia	related to motor shaft		[kgm^2]
admissible overtravel of the load			[m]

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