DINACELL

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LCK

Complete Integrated load weighing system

More information

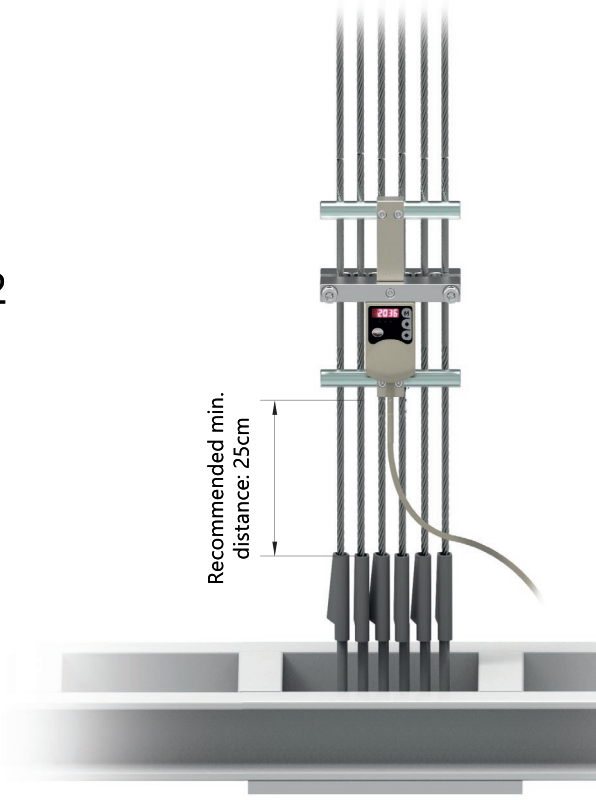
LCK Load limiter on ropes

LCK is a complete load limiter system, composed by a load cell and unit control. These are installed on lift ropes measuring the totality of the load. LCK devices come with clamp in order to cover different number of ropes and several diameters, depending on the characteristics of the installation.

Features:
· Optionable to calculate Chain compensation.
· Cabin display output for full load and overload indications.
· CANopen-Lift CiA 417 standards under request.

Get the best of performance and advantages by using app Tools ng2

Within LCK product line, some models integrates Dinacell NG technology. This technology allows firmware updating and the possibility of connecting our device GD-WiFi1. This accessory enables to configurate, calibrate and get accurate information of the installation status in any compatible device with Tools ng2 App.

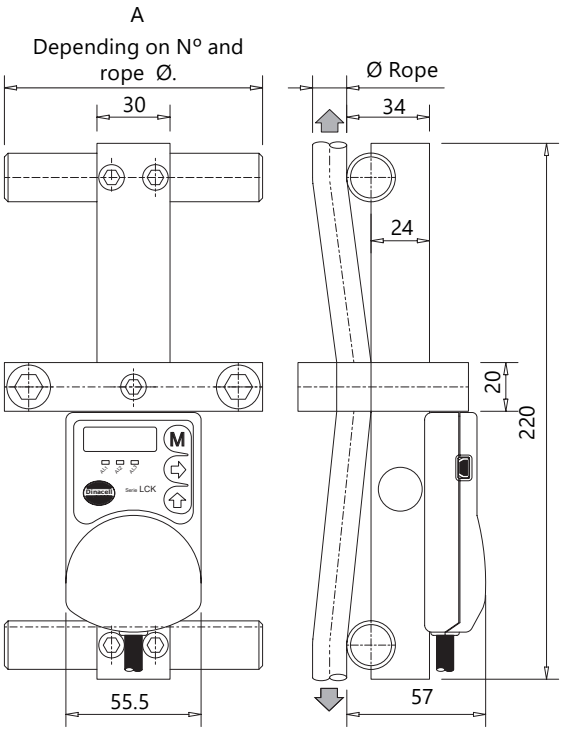


1- GD-WiFi. (For NG technology devices).

Specifications

Parameter		Units	Specifications				
Models		-	LCK-2RM	LCK-2Ra	LCK-3R	LCK-C	LCK-Ca
Nominal Load (N.L.)		t	3 / 4 / 6				
Accuracy		-	0.25%				
Power supply		VDC	24 (18 ... 40)				
Maximum current consumption		mA	65				
Minimum distance to the socket		cm	25				
Temperature range	Working	ºC (ºF)	-10 ... +65 (+14 ... +149)				
	Storage		-20 ... +70 (-4 ... +158)				
Min. Insulation resistance (V.Test = 100V)		GΩ	4				
Relay	Maximum voltage	VAC	250				
	Maximum current	A	2				
	Number	-	2	2	3	-	-
CANopen CIA 417		-	-	-	-	✓	✓
Analog outputs 0-10V / 4-20mA / 0-20mA		-	-	✓	-	-	✓
Cabin display MB output		-	✓	-	-	-	-
NG technology (with USB for firmware upgrade)		-	✓				
Hold Input		VAC/DC	12 ... 125				
Load limit	Maximum	%N.L.	150				
	Without characteristics loss		200				
Interface	Display digits	-	5				
	Keys	-	3				
	LEDs	-	3				
Cable	Type	-	10 x 0.22mm² Ø6				
	Standard length	m	2				
Sensor	Material	-	Aluminum				
	Surface treatment	-	Anodized				
Casing material		-	Fireproof V0				
Protection class		-	IP50				

Dimensional drawings (mm) and wiring diagram



			Nº Rope							
			4	5	7	8	9	10	12	14
A (mm)	Ø Rope	6 ... 8	-	-	-	-	126		156	
	Ø Rope	8 ... 13	96	126	156		186	-	-	-

	LCK-2RM	LCK-2Ra	LCK-3R	LCK-C	LCK-Ca
Black	GND				
Red	24 VDC				
Purple	Relay 1			Can HIGH	
Blue				Can LOW	
Pink	Relay 2			-	
Brown					
White	Hold (+)				
Gray	Hold (-)				
Green	Cabin disp. +	4-20/0-20mA	Relay 3	-	4-20/0-20mA
Yellow	Cabin disp. -	0-10V		-	0-10V

Product Reference

Load Weighing Device

Model	LCK-2RM	LCK-2Ra	LCK-3R	LCK-C	LCK-Ca
Ref.	011295	011812	011813	011814	011815
Standart N.L.	4t				

Clamps

Ref. Depending on Nº and rope Ø.

Nº Rope	Ø Rope				
	5	**6**	**6 ... 8**	**8**	**8 ... 13**
4	-	-	-	-	012298
5	-	-	-	-	012367
7	-	-	-	-	011083
8	-	-	-	-	011400
9	-	-	012863	-	012873
10	-	020682	-	015169	-
12	012397	-	-	-	-
14	-	016062	-	-	-

Accessories: GD-WiFi (For NG technology devices)

Ref.	018512

For more information

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