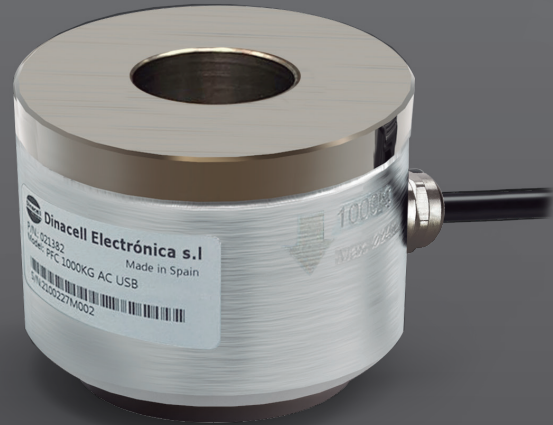


Sensor designed for the terminals fixed point

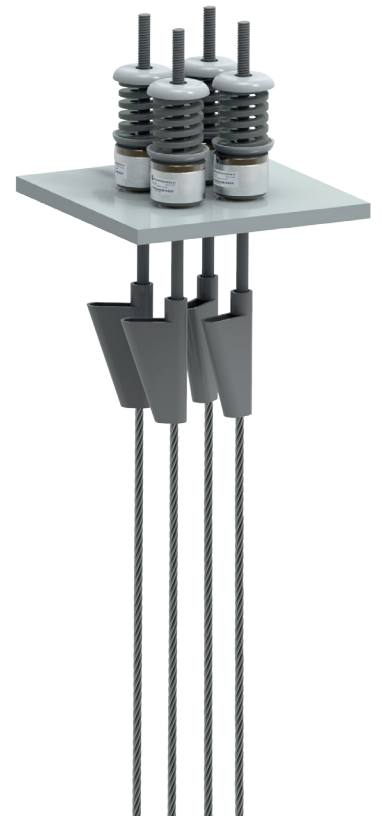


PFC Compression load cell

The PFC load cells are a weighing solution at the fixed point of cables in traction elevators.

The advantages of the new design of the PFC sensor are as follows:

- This sensor has a low profile that improves weighing accuracy.
- A new geometric design, for perfect stability when weighing at all angles.
- Space saving and a lower height sensor.
- No need to add washers to the installation.
- Affordable with a competitive price.
- Plug & play load cells (adjusted with a factory CELL). This allows for easy adjustment, without the need to enter a known weight, when using our measuring devices.



For a complete installation

These sensors are installed at the fixed point and feature a USB cable output. In order to have an independent reading of the weight of each cable, we recommend the use of our OMEGA device.

For installations that need to connect a set of sensors to a load limiter, with a single input, it is necessary to combine the signal in a single output by using a (1) INTERFACE. These accessories offer cable output without connector or WITH USB (depending on the type of input of the limiting device).



1. INTERFACE

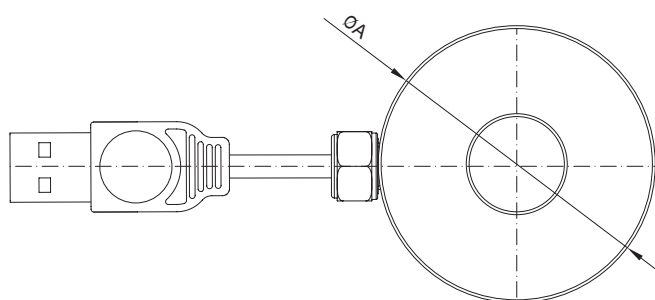
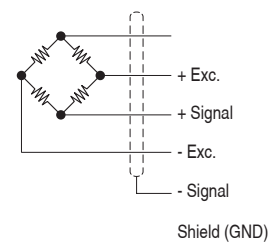
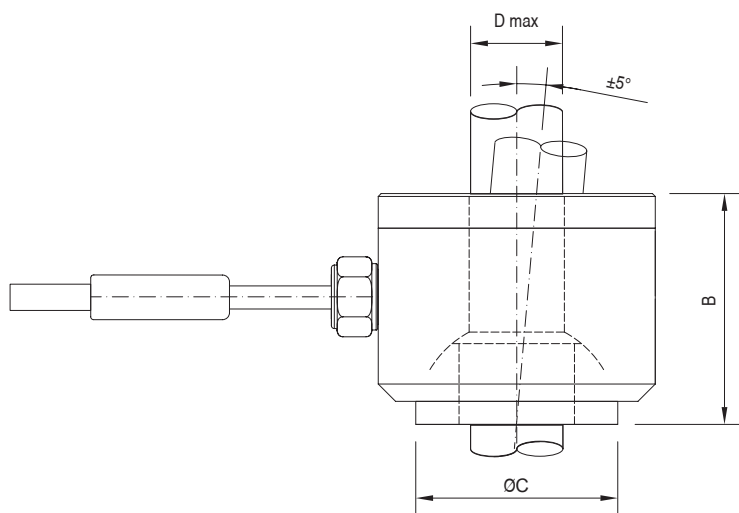
Specifications

Parameter	Units	Specifications			
Model	-	PFC-300	PFC-500	PFC-1000	PFC-3500
Nominal Load (N.L.)	kg	300	500	1000	3500
CELL value	-	600	1000	2000	7000
Accuracy	-	1%			
Maximum excitation voltage	V	12			
Temperature range	Compensated	-10 ... +40 (+14 ... +104)			
	Operating	°C (°F)	-20 ... +60 (-4 ... +140)		
	Storage	-20 ... +70 (-4 ... +158)			
Min. Insulation resistance (V.Test s 100V)	GΩ	> 4			
Input resistance	Ω	350 ... 450			
Output resistance	Ω	350			
Load limit	Without characteristics loss	%N.L.	150		
	Breaking		> 500		
Cable	Type	-	Ø4		
	Connector	-	USB		
	Dimensions	m	2.5		
	Material	-	Polyurethane (PU)		
Load cell	Material	-	Alloy steel		
	Surface treatment	-	Chemical nickel		
Protection class	-	IP40			

Remarks:

- The cell value is found on load cell labels.
- Dinacell devices are set with the CELL value.

Dimensional Drawings (mm)



	ØA	B	ØC	D max
PFC-300	40	36	28	M-12
PFC-500	48	40	35	M-16
PFC-1000	65	46	54	M-24
PFC-3500	70	62	57	M-30

PFC Product Reference



Ref.	Model.
021380	PFC-300
021381	PFC-500
021382	PFC-1000
021383	PFC-3500

Accessory: SPACERS



For installations where the minimum distance is less than dimension A, it is necessary to install SPACERS such as those shown in FIGURE 2.

Model.	(A)	(B)	Ref. SPACERS
PFC-300	42	32	021891
PFC-500	50	38.5	021892
PFC-1000	67	51.5	021893
PFC-3500	72	58	021894

FIGURE 1
Min. distance between load cells for installation

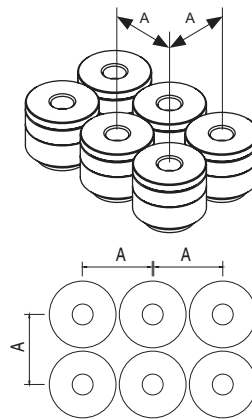
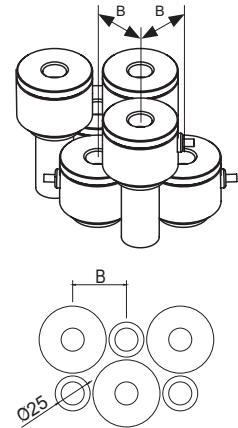


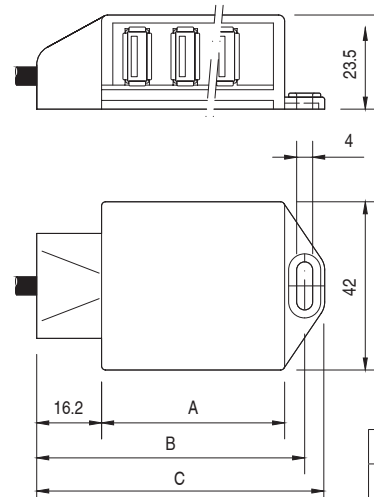
FIGURE 2
Min. distance between load cells for installation with SPACERS



Accessory: INTERFACE



Parameter	Units	Specifications			
Model	-	INTERFACE			
Temp range.	°C (°F)	-20 ... +60 (-4 ... +140)			
Casing material	-	Fireproof plastic ABS			
Protection class	-	IP50			
Cable type	-	4 x 0.22 mm ² Ø4			
Standard length	m	5 + Ferrite			
USB Input	-	6		12	
Cable Output	-	USB	Wiring connection	USB	Wiring connection
Ref.		007555	007274	007554	007275



Dimensions in mm

USB	A	B	C
6	48	69	74
12	84	105	110

For more information

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