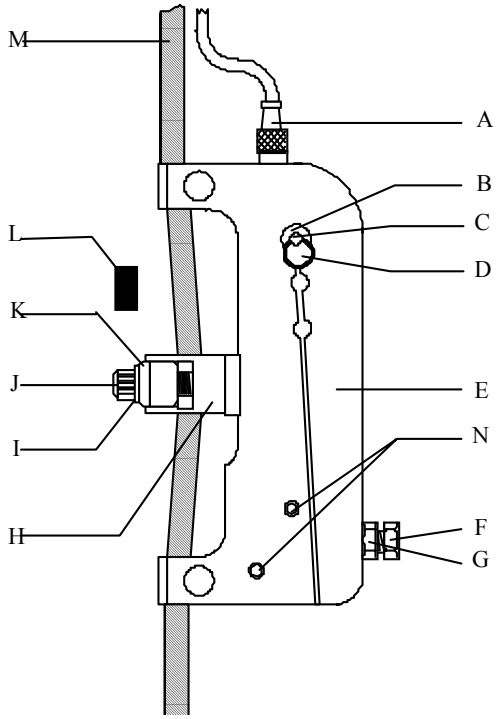

Components

A - Plug.
B - Washer.
C - Axle pin.
D - Locking ring.
E - Load cell body.
F - Tare screw Trip point
G - Locking nut Trip point
H - Central fixing bracket.
I - Safety washer.
J - M6/M8 screw.
K - Fixing bracket plate.
L - Rubber compression pad.
M - Lifting wire rope.
N – Switch fixing screw (Do not touch)

Application :

This mechanical load cell has been specially designed to control one safety trip point on low and medium capacity overhead cranes. In combination with the monitor HF 85, it is working like a damper to disregard the overloaded due to dynamic effect.

Operating principle

The load cell operates by the movement of metal within its elastic limits.
Deviation of the lifting wire rope around the load cell produces a force proportioned to the load applied.
The load cell incorporates a microswitch, to giving an "all-or-nothing" signal to HF 85.

Technical specification

Installation : directly on the dead end wire rope
Load cell : 1 integrated microswitch
1 N.C. contact
Amperage of trip point : 25 milli Amps
Connection : 3 core electrical cable
Length of connecting cable : 2 m with plug
Tare adjustment : fine thread screw
Resolution : 10 daN
Hysteresis : 250 daN
Temperature range : from -30°C to +80° C
Protection class : I.P 55
Material of load cell : aluminium alloy
Finish : anodised
Maintenance : none required other than keeping it clean.

Identification:

Type	Code	Wire rope ∅	Capacity daN	Length	Wide	Thickness
HF 32/0/A	58278	from 5 to 10mm	from 100 to 1570	60 mm	120 mm	27 mm
HF 32/1/A	24688	from 5 to 16 mm	from 250 to 3000	70 mm	150 mm	40 mm
HF 32/2/A	38628	from 17 to 26 mm	from 300 to 6000	98 mm	200 mm	50 mm
HF 32/3/A	38638	from 27 to 36 mm	from 1000 to 12000	138 mm	280 mm	60 mm