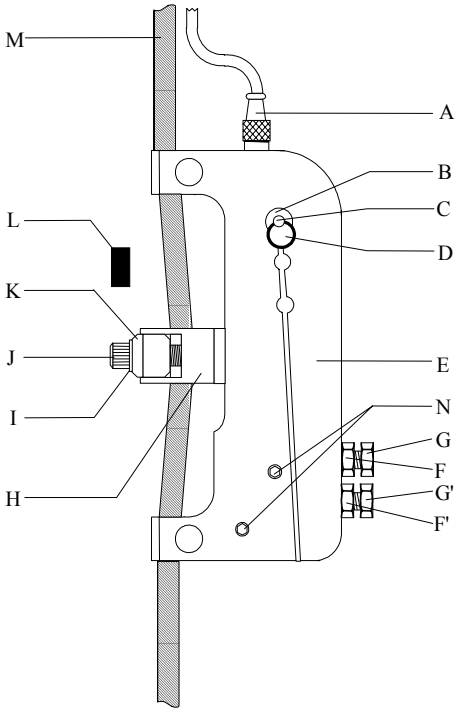


## Components

A - PLUG.
B - Washer.
C - Axle pin.
D - Locking ring.
E - Load cell body.
F - Locking nut Trip point N° 1.
G - Tare screw Trip point N° 1.
F' - Locking nut Trip point N° 2.
G' - Tare screw Trip point N° 2.
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).

## Identification

## Application

This mechanical load cell has been specially designed to control two safety trip points on low and medium capacity overhead cranes.

## 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 two microswitches, to giving two "all-or-nothing" signals.

## Technical specification

Installation : directly on the dead end wire rope
Load cell : 2 integrated microswitches
4 contacts : 2 N.O. (normally open)
2 N.C. (normally closed)
Trip point power : max. 220 VAC.
Amperage of trip point : max. 4 amps
Connections : 7 cores electrical cable
Length of connecting cable : 2 m
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.

## Options

Nickel coating protection for aggressive surroundings.

| Type | Code | Wire rope ∅ | Capacity daN | Length | Wide | Thickness |
|---|---|---|---|---|---|---|
| HF 32/1/A2 | 38648 | from 5 to 16 mm | from 250 to 3000 | 70 mm | 150 mm | 40 mm |
| HF 32/2/A2 | 38658 | from 17 to 26 mm | from 300 to 6000 | 98 mm | 200 mm | 50 mm |
| HF 32/3/A2 | 38668 | from 27 to 36 mm | from 1000 to 12000 | 138 mm | 280 mm | 60 mm |