

Type ALP Series Load Pin



Features:



- Range: 2.5t...40t
- Hollow section round shaft
- Compact structure, easy installation
- Strong anti-torsion and anti-bending ability
- Good long-term stability
- Alloy steel material, nickel-plated surface
- Protection level IP66/68

Applications

- Ropes, shackles, bearing seats
- Other special scales

Description

• **ALP** is a pin-type sensor. Range from 2t to 40t. Alloy steel material, nickel-plated surface. The structure adopts a hollow section round shaft, which has strong anti-torsion and anti-bending ability. Compact structure, easy installation, can also be customized according to customer needs. Suitable for ropes, shackles, bearing seats and other scales

Type ALP Series Load Pin

Technical Specifications ALP

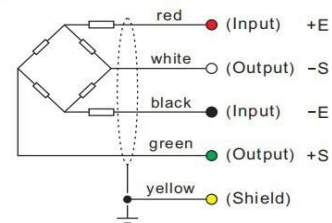
Rated load	2,5,5,10,20,40	t
Rated output	1.5	mV/V
Zero balance	±2	%R.O.
Comprehensive error	±0.5	%R.O.
Creep (30 minutes)	±0.2	%R.O.
Repeatability	±0.2	%R.O.
Normal operating temperature range	-10~+40	°C
Allowable operating temperature range	-20~+70	°C
Effect of temperature on sensitivity	±0.1	%R.O./10°C
Effect of temperature on zero point	±0.1	%R.O./10°C
Recommended excitation voltage	5-12	VDC
Input impedance	770±10	Ω
Output impedance	700±5	Ω
Insulation impedance	≥5000 (50VDC)	MΩ
Safe overload	150	%R.C.
Ultimate overload	300	%R.C.
Elastic element material	alloy steel /stainless steel	
Protection level	IP67/IP68	
Cable length	6	m

Wiring

Features:

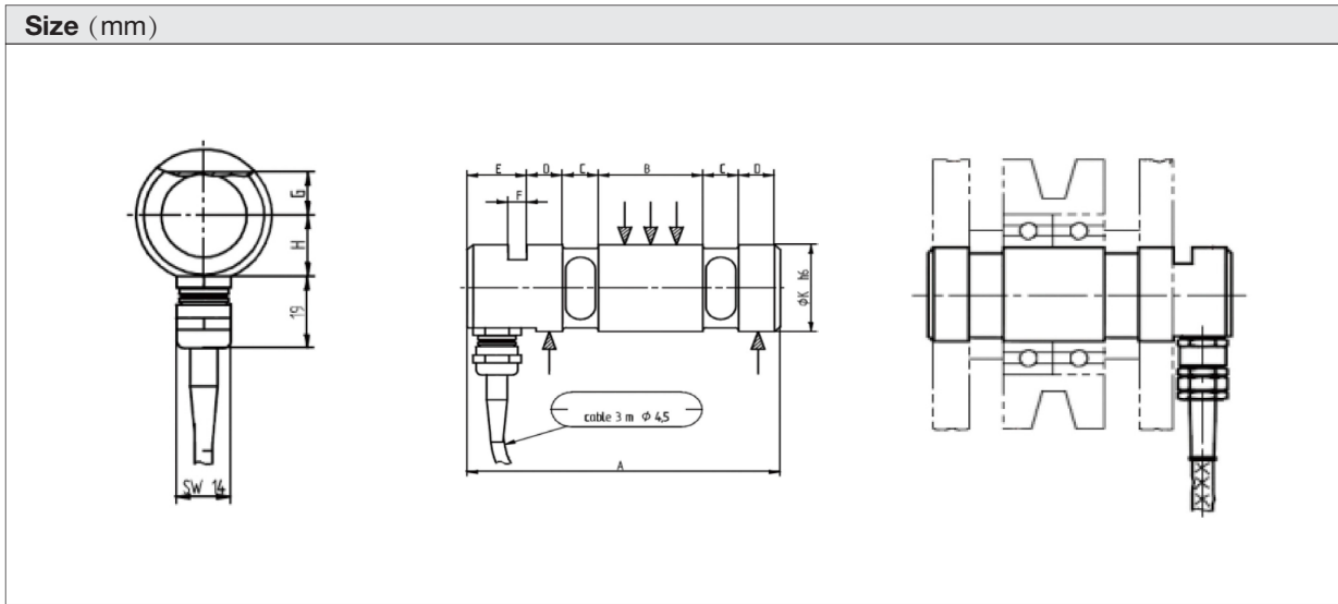
- Shielded, 4 conductor cable.
- Cable diameter: Ø5.3mm.
- Standard cable length for 2.5t – 40t 6m
- Shield connected to element.
- Cable jacket in PVC.

Mode of Connection



Type ALP Series Load Pin

Dimensions in mm



(t)	A	B	C	D	E	F	G	H	ØK
2/5	105	35	12	12	20	6.31	11.5	16	35
10	152	48	18	18	30	10.5	20	22.5	50
20	190	65	25	20	32	10.5	22.5	28.5	65
40	256	89	28	35	36	12.5	28	25	85