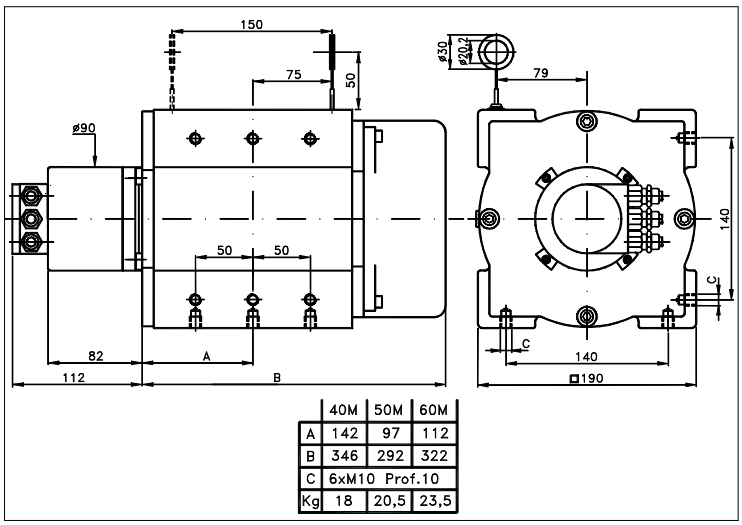
ABSOLUTE CABLE ENCODER **AF19P**	PROFIBUS-DP absolute cable (1,35mm) transducer for the measurement of linear lengths up to 40, 50, 60 m, extremely robust and reliable.	Family: **L** page: 03.AF19P 1/2 data sheet AF 012 E00

Measures without tolerance acc. to UNI ISO 2768-mk



	40M	50M	60M
A	142	97	112
B	346	292	322
C	6xM10 Prof.10		
Kg	18	20,5	23,5

TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- **Max standard length...:** 40,50,60 m
- **Resolutions.....:** 0,1 mm, 1 mm
- **Output codes.....:** Binary
- **Weight.....:** 18÷30kgacc. to the length
- **Pullout cable force...:** 25 N
- **Pullin cable force....:** 12 N
- **Max acceleration.....:** 2,5 G
- **Max linearity error...:** ±0,05% f.s.
- **Max reading speed.....:** 4 m/s
- **Protection class....:** encoder: IP64 mecc.: IP 64 (°)
  output: see 'CONNECTION' page 2
- **Power supply Vdc.....:** 10÷30 Vdc
- **Max consumption.....:** 2,5 W
- **Light source.....:** LED with >= 100000 h life
- **Optical sensors.....:** Photodiodes ASIC
- **Electronic output.....:** Line driver (secondo RS485)
- **Status indic. with 2 LEDs**

- **Output interface.....:** (DP) Profibus-DP Class2

- **Connect.** : 3PG 3PG-VA 2M20

For the codes and the descriptions of connectors see 'ORDERING CODE' on page 2.

- **Average life.....:** >10^6 cicles @ 2m/s
- **Impact resistance.....:** 30 G (11 ms)
- **Vibration resistance..:** 10 G (10 ÷ 1000 Hz)
- **Operating temperature.:** -20 ÷ +70 °C
- **Storage temperature...:** -40 ÷ +85 °C
- **Humidity.....:** 98% (without liquid state)

- **Cable.....:** Ø 1,35 mm stainless steel
- **Polarity inversion protect.**
- **Over voltage peak protect.**
- **Disc made of unbreakable and durable plastic.**
- **EMC certific. according to EN 61000-6-2,EN 61000-6-4**

(°) IP according to CEI EN 60529,EN 60529,IEC 529

POSSIBLE OPTIONS

CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
P	Cable out.w.compressed air	U	Cable out. with 360° joint	X	Customer options
S	Lateral fixing bracket				

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INTERFACE

» (DP) Profibus-DP Class2

Programmable Parameters: Direction of rotation (complement); Resolution per revolution; Total resolution; Preset value; Output of velocity; Software Limit Switches.

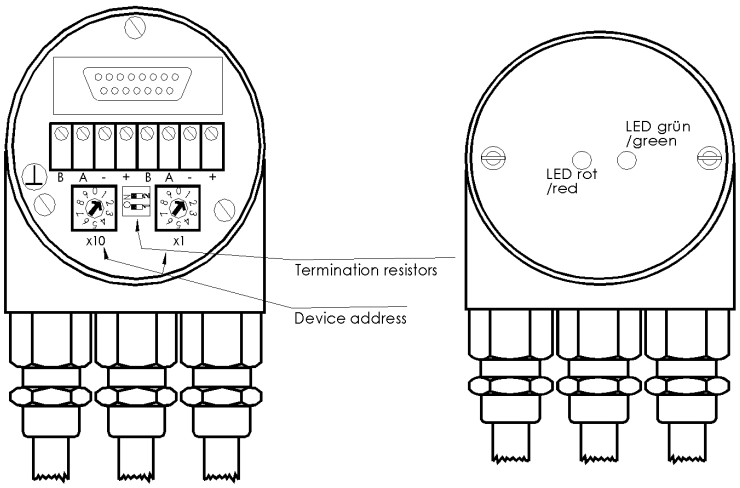
»

»

»

CONNECTIONS

» Internal/external views of the connection cap 3PG with 2 LEDs



ORDERING INFORMATION

LENGTH

(40M) 40 m
(50M) 50 m
(60M) 60 m
( )
( )
( )

(3PG) Connection cap IP65
(3PG-VA) Stainl. steel conn. cap IP65
(2M20) Conn. cap with 2 cables IP65
( )
( )
( )
( )
( )
( )

OPTIONS	MODEL		CODE		RESOLUTION		POWER SUPPLY		CONNECTION
	AF19P 40M	-	B	-	100	-	1030	-	3PG

(P)
(S)
(U)
(X)

(100) 0,1 mm
(1000) 1 mm

(B) Binary
( )
( )

Product manufactured according to UNI EN ISO 9001:2000, supplied with CHECKING and CONFORMITY declaration with CE mark and with TWO (2) YEARS WARRANTY starting from delivery date.

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