Installation Kit for frequency-control lifts WDGAS58B with shaft encoder

- Complete retrofit set
- Quickly and reliably fitted with the aid of the accessories
- Cost-effective modernisation solution
- TTL, HTL output
- Threads: M8, M10, M12, M16 und M20
  www.wachendorff.de/wdgas58b-engl

The following installation kits are available for fitting the encoder to a frequency controlled lift. Every installation kit consists:
1 x Encoder, 1 x Mountingangle, 1 x shielded cable 15 m length,
1 x Paguflexcoupling, 1 x Shaftadapter

Mechanical Data

Housing
- Clamping flange: Aluminium
- Housing: Aluminium, powder coated
- Diameter: 58 mm

Shaft
- Material: stainless steel
- Diameter: 10 mm, H7
- Lenght: 20 mm
- Load on   max. 220 N radial
  shaft end: max. 120 N axial
- Starting torque: 1 Ncm

Bearings
- Type: 2 precision ball bearings
- Service life: 10^9 revs. at 100% of full rated shaft load
       10^{10} revs. at 40%
       10^{11} revs. at 20%

Operating speed: 8.000 rpm
Weight: approx. 250 g
Connections: SH8: radial connector, 8 pin

Operating temperature: -20... +80°C
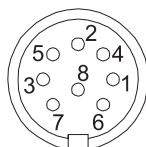Storage temperature: -30... +80°C

Encoder-Order No.:   WDG58B-YYYY-ABN-H24-SH8
- YYYY: with 1024, 2048, 4096 PPR
- 3 channels, A, B and zero marker pulse N
- H24: 10 - 30 VDC HTL power supply
- SH8: radial connector, 8 pin

     WDG58B-YYYY-ABN-R05-SH8
- YYYY: with 1024, 2048, 4096 PPR
- 6 channels, A, B and zero marker pulse N
- 5 VDC TTL power supply with inv. output circuit
- SH8: radial connector, 8 pin

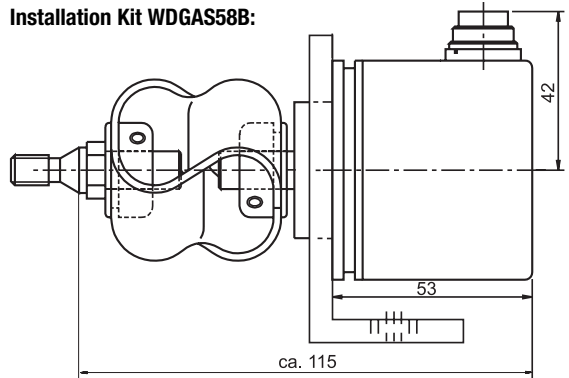YYYY: Please specify required PPR: 1024, 2048 oder 4096

Pin identification SH8

Function	Pin HTL	Pin TTL
Positive	2	2
Negative	1	1
A	3	3
A inv.	-	6
B	4	4
B inv.	-	7
N	5	5
N inv.	-	8

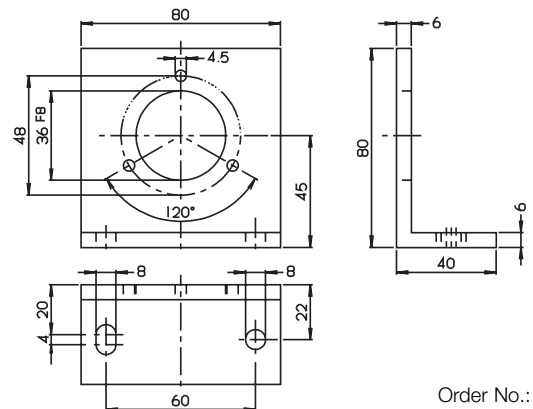

The view of the soldered side of the connector connector corresponds to the view of the pin arrangement on the encoder.
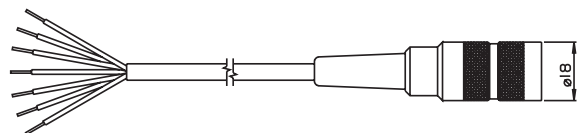
Installation Kit WDGAS58B:

Mounting bracket:

The mounting bracket makes for easy installation of the encoder in the lift system. However care should be taken that the admissible load of the coupling is adhered to.

Order No.: MW58B

Cable:

The cable is 15m in length and is shielded, however the shield is not connected to the connector housing. With a mated connector, the encoder meets protection class IP40.
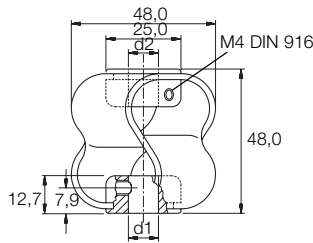

The cable has a connection as follows:

Function	Colour
Positive	brown
Negative	white
A	green
A inv.	red
B	yellow
B inv.	black
N	gray
N inv.	violet
Shield:	cable braiding

Order No.:   KDSH84015

Paguflex coupling:

The Paguflex coupling serves to compensate for any mis-alignment between the drive and the encoder. The coupling has extremely high compensation capabilities.

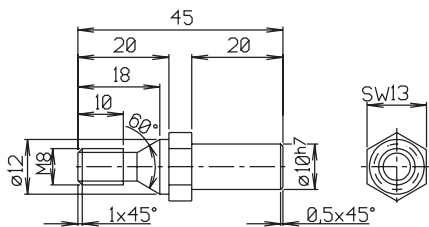|	
Features:	excellent compensation capabilities
Mis-alignment:	axial: max. 7,5mm
	radial: max. 3,5mm
	angular: max. 15°
Max. operating speed:	3.000 rpm.
Starting torque:	1,3Nm
Material:	
- Hub:	metal, anticorrosive
- Compensating element:	PUR
Weight:	85 g
Fixing:	2 xM4DIN 916
Motor starting torque:	100 Ncm
Operating temperature:	-20°C to +80°C

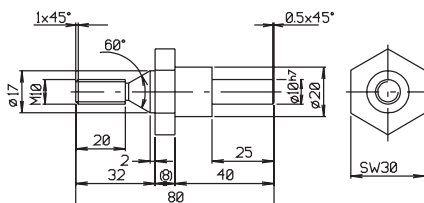Order No.: PF481010

Shaft adapters

Shaft adapters:

The shaft adapters are screwed into an appropriate thread on the lift and allow a simple connection via the Paguflex coupling.

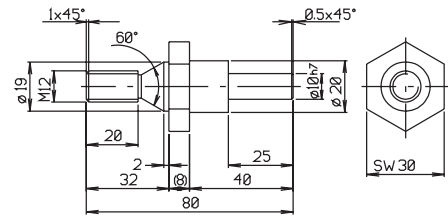Shaft adapter M8   Order No.: WDGWA10M08

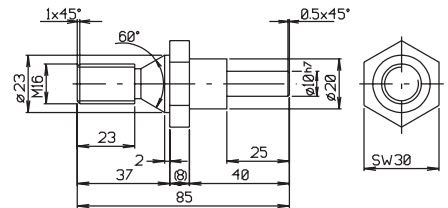Shaft adapter M10   Order No.: WDGWA10M10
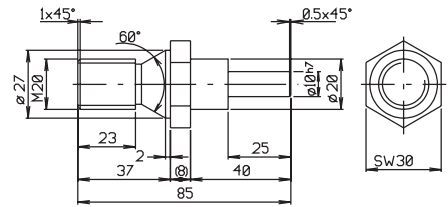

Shaft adapter M12   Order No.: WDGWA10M12

Shaft adapter M16   Order No.: WDGWA10M16

Shaft adapter M20   Order No.: WDGWA10M20

Note:
XX: Please insert the code corresponding to the required shaft adapter:

Shaft adapter 10/M8:	08
Shaft adapter 10/M10:	10
Shaft adapter 10/M12:	12
Shaft adapter 10/M16:	16
Shaft adapter 10/M20:	20

YYYY: Please specify required PPR: 1024, 2048 oder 4096

Ordering Information WDGAS58B:

Description:	Order No.:

Installation Kit 10-30 VDC HTL comprising:
- WDG58B-YYYY-ABN-H24-SH8
  - YYYY: with 1024, 2048, 4096 PPR
  - 3 channels, A, B and zero marker pulse N
  - H24: 10 - 30 VDC power supply
  - SH8: radial connector, 8 pin
- MW58B
- KDSH84015: 15 m ready-made shielded cable
- PF481010
- XX: Shaft adapter: 08, 10, 12, 16 or 20
	WDGAS58BYYYYH24XX

Installation Kit 5 VDC TTL, RS422 comprising:
- WDG58B-YYYY-ABN-R05-SH8
  - YYYY: with 1024, 2048, 4096 PPR
  - 6 channels, A, B and zero marker pulse N
  - R05: 5 VDC TTL power supply with inv. output circuit
  - SH8: radial connector, 8 pin
- MW58B
- KDSH84015: 15 m ready-made shielded cable
- PF481010
- XX: Shaft adapter: 08, 10, 12, 16 or 20
	WDGAS58BYYYYR05XX