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Installation Kit for frequency-control lifts WDGAS58B with shaft encoder



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

- Cap: Aluminium, powder coated

- Diameter: 58 mm

Shaft

stainless steel Material: - Diameter: 10 mm, H7 - Lenght: 20 mm Permitted load max. 220 N radial

max. 120 N axial Load:

- Starting torque: approx. 1 Ncm at ambient temperature

Bearings

- Type: 2 precision ball bearings

- Service life: 1x 109 U revs. at 100 % shaft load 1x 1010 U revs. at 40 % shaft load

1x 1011 revs. at 20 % shaft load

8000 min-1 Max. operating speed:

Weight: approx. 250 g

SH8: radial connector, 8 pin Connections:

Operating temperature: -20 °C up to +80 °C Storage temperature: -30 °C up to +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 VDC up to 30 VDC HTL

Power supply - SH8: radial connector, 8 pin

WDG58B-YYYY-ABN-R05-SH8

- YYYY: mit 1024, 2048, 4096 PPR

- 6 channels, A, B, zero marker pulse N and inv.

- 5 VDC TTL power supply with inv.

output circuit

- SH8: radial connector, 8 pin

YYYY: Please specify required. PPR: 1024, 2048 or 4096

Pin identification SH8

Function Positive Negative A	Pin HTL 2 1 3	2 1 3	3007
A inv.	-	6	The view of
B	4	4	of the conn
B inv.	-	7	corresponds
N	5	5	the pin arra
N inv.	-	8	encoder.

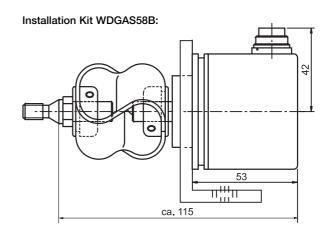


the soldered side nector connector s to the view of angement on the

· Complete retrofit set

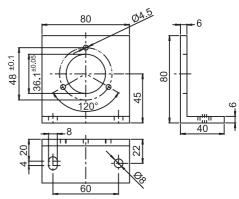
- Quickly and reliably fitted with the aid of the accessories
- Cost-effective modernisation solution
- TTL, HTL output
- Threads: M8, M10, M12, M16 und M20

www.wachendorff-automation.com/wdgas58b



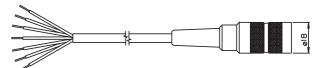
Mounting bracket:

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

The cable is 15 m 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
В	yellow
B inv.	black
N	gray
N inv.	violet
Shield:	cable braiding
Order No.	KD84015



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

Max. offset of shafts: axial: max. 15 mm

radial: max. 3.2 mm angular: max. 15° 3000 min-1

Max. operating speed: max, 130 Ncm Starting torque:

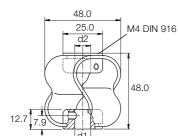
Material:

- Hub: metal, anticorrosive

- Compensating element: PUR Weight: 77 g

Fixing: 2x M4DIN 916 Motor starting torque: 150 Ncm

Operating temperature: -20 °C up to +80 °C



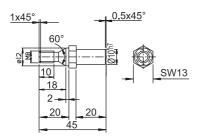
Order No.: PF481010

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

1x45°

<u>0.5x45</u>° 60°

25

40

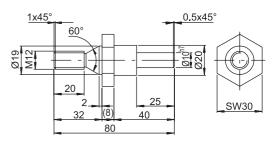
Order No.: WDGWA10M08

SW30

Shaft adapter M10 Order No.: WDGWA10M10

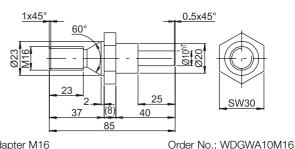
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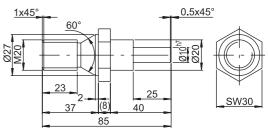


Shaft adapter M12

Order No.: WDGWA10M12



Shaft adapter M16



Shaft adapter M20

Order No.: WDGWA10M20

Note:

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

Shaft adapter 10/M8: 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 or 4096

Ordering information WDGAS58B:

Ordering information WDGAGGGB.				
Description:	Order No.:			
Installation Kit 10 VDC - 30 VDC HTL comprising: - WDG58B-YYYY-ABN-H24-SH8 - YYYY: with 1024, 2048, 4096 PPR - 3 channels, A, B, N - H24: 10 - 30 VDC Power supply - SH8: radial connector, 8 pin - MW58B - KD84015: 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: with1024, 2048, 4096 PPR - 6 channels, A, B, N, Ā, B, N - R05: 5 VDC TTL power supply with inv. output circuit - SH8: radial connector 8 pin - MW58B - KD84015: 15 m ready-made shielded cable - PF481010 - XX: Shaft adapter: 08, 10, 12, 16 or 20	WDGAS58BYYYYR05XX			