



**INDUSTRIKOMPONENTER A/S**  
En anerkendt partner i Mobil Energi

## HASTIGHEDSVAGTE SW



For mere specifikke oplysninger om disse produkter, og  
hvordan de kan dække dine behov, ring venligst

# INDUSTRIKOMPONENTER A/S

Energivej 33 DK-2750 Ballerup

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## APPLICATION

Their high reliability and negligible maintenance requirements make them especially suited to materials handling systems in continuously operating plants.

## OPERATION

The exact point of contact operation depends upon the selection of magnetic and fluid couplings and the adjustment of contact spring pressure.

Rotation sensors are suitable for direct drive from rotating shafts. However, they must not be subject to end thrust or excessive vibration. The three couplings shown in this leaflet are especially recommended to cater for shaft misalignment and also to simplify installation.

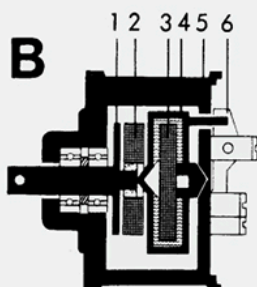
Where direct drive is not possible the sensors may be driven by belt or chain drive; in this case the heavy duty bearing version should be used to cater for the additional side thrust.

For conveyors the belt drive unit type „B” may be used. This is driven by a plastic roller in direct contact with a rubber or textile belt. An alternative rubber roller is available for roller conveyors.

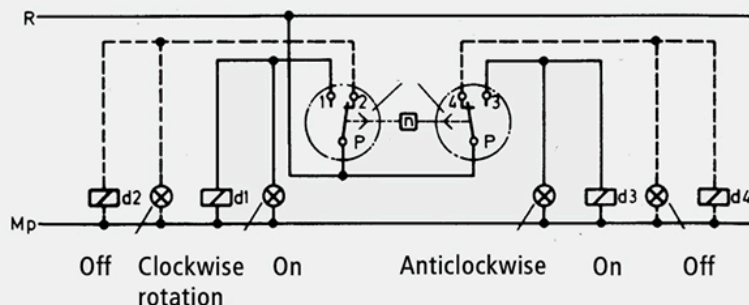
## WIRING DESIGN



Contact assembly for  
clock or anti-clockwise  
rotation



### Standstill monitor with magnetic/liquid coupling



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## SPEED SELECTION - TYPES AVAILABLE

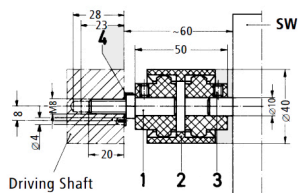
Type	Typical operation point on falling speed RPM		Typical reset point on rising speed RPM		Minimum running speed RPM	Maximum running speed RPM
	NC	NO	NC	NO		
SW 01	0,5	1	0,75	3	6	3.000
SW 02	1	2	1,5	5	10	3.000
SW 03	2	4	6	10	20	3.000
SW 04	10	15	20	70	100	3.000
SW 05	40	70	60	150	200	3.000

When used in conjunction with the conveyor monitor type B, the operating speed can be converted into rpm by the following formula:

$$\frac{\text{belt speed in m/s} \times 60}{0,314} = \text{rev./min}$$

## COUPLINGS

K 1

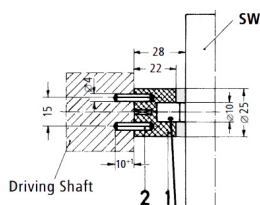


Order number: 94.040 535.001

Flexible plastic coupling  
Temperature range about -25 °C ... +100 °C,  
weatherproof, maximum misalignment 3 mm

- 1) Connecting shaft
- 2) Coupling
- 3) M5 x 6 grub screw
- 4) 8,4 Locking washer

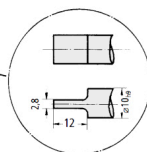
K 6



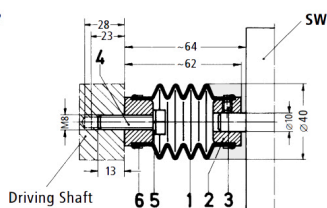
Order number: 96.040 535.002

Two-pin rubber coupling,  
oil-resistant, maximum misalignment 2 mm

- 1) Coupling
- 2) Roll pin 4 x 20



K 7



Order number: 94.040 535.004

Flexible bellows coupling suitable for poor misalignment,  
maximum misalignment 10 mm

- 1) Bellows
- 2) Fixing collar
- 3) M5 x 6 Grub screw
- 4) Hexagon headed M8 x 30 screw
- 5) Spring retaining ring B 8
- 6) Retaining strap

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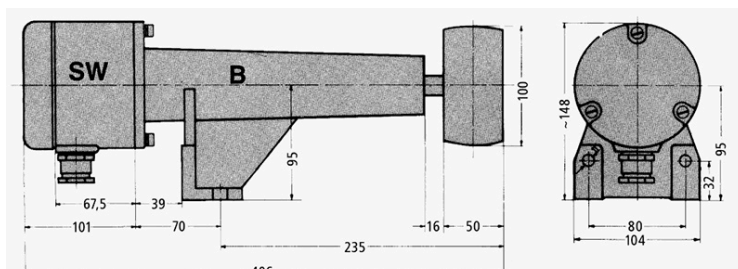


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## DIMENSIONER OG BESTILLINGSKODER

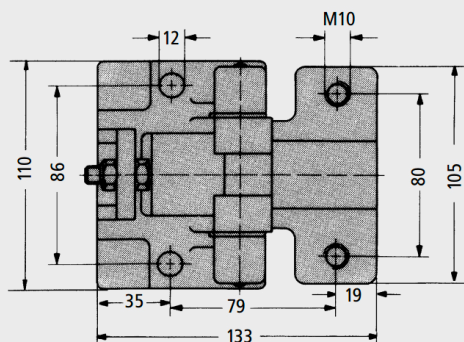
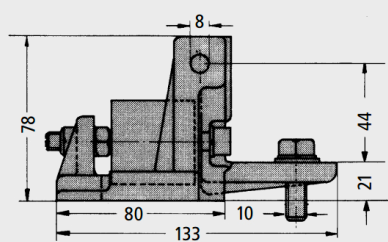
Standstill Monitors type SWB with Belt Drive, protected to IP65



	Typenummer		Housing (IP65) <sup>1</sup>	Roller <sup>2</sup>
SWB		-2	/S	/K
SWB		-2	/S	/G
SWB		-2	/GG	/K
SWB		-2	/GG	/G
1 -S: Aluminium, GG: Cast Iron      2 G: Rubber, K: Plastic				

## DIMENSIONER

Hinge Pedestal Type GB  
to be fitted on Belt Drive B



The use of the hinge pedestal is recommended to ensure constant pressure between belt and roller in order to avoid failures caused by slip.

The extent of supply of the belt drive comprises rubber or plastic rollers.

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