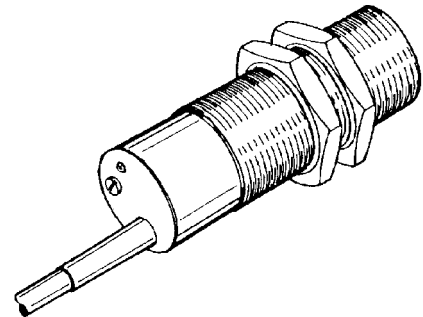


Proximity switch with speed monitoring function in M 30 plastic casing.

For monitoring the operating frequency for control of slip, belt rupture, breakage or overload of conveyor belts, worm drives, mixture plants, pumps etc.

The comfortable TEACH-IN function allows programming of speed and start-up time.

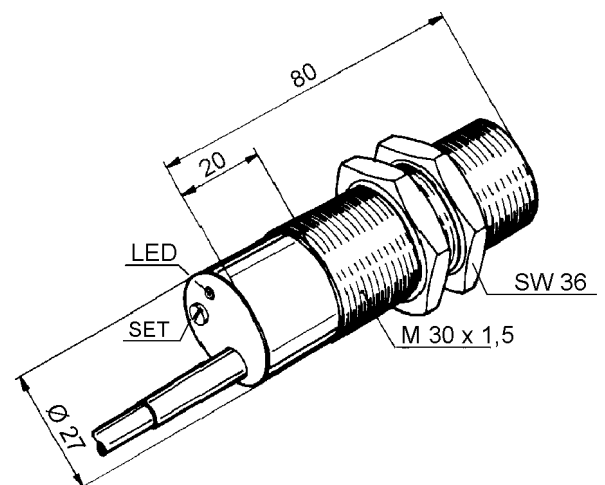
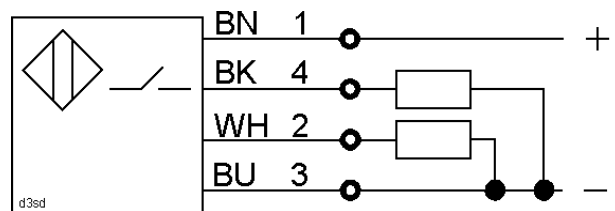


Technical Data

Type	IDL 015.28 G
Art.-No.	2473A
Rated pulse range programmable	5...6000 puls./min.
Rated operating distance (Sn)	15 mm
Output 2 speed controller	PNP Opened if the number of pulses is not reached
Output 4 proximity switch	PNP-normally open closed if the active surface is damped
Target steel St37, 1 mm thick	45 x 45 mm
Location at metal	non flush
Supply voltage (U _B)	10 - 30 V DC
Ripple voltage	max. 15 %
Load current max.	0 - 200 mA
Short- time load current	0,8 A / 100 ms 2 A / 10 ms
Short circuit protection	yes, pulsing
No-load current (I ₀)	10 mA / 24 V DC
Voltage drop (U _d)	1,5 V / 50 mA
Start-up time programmable	0 – 120 s
Switching hysteresis (H) proximity switch	3 - 15 %
Switching hysteresis speed controller	10 %
Ambient temperature	-25 ... +70 °C
Protection class	IP 67
Connection	2 m cable
Function display	LED
Housing material	Plastic PBT
Accessories (not included in the scope of supply)	Art.-No.
programming device Proxibox ID1	2477A

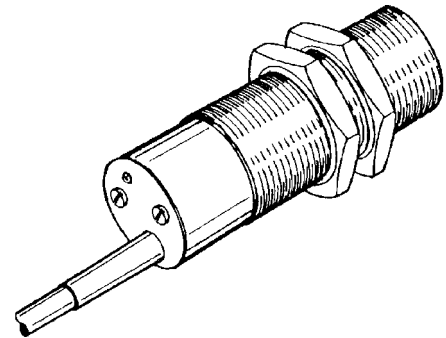
When the supply voltage is applied the output closes for 9 s. Thereafter the sensor evaluates the actual operating frequency. Via the TEACH-IN function the pulse existing at the sensor face can be stored as rated value. If the actually existing value falls below the rated value by $\geq 20\%$, output 2 blocks.

Diagram of Connections



Proximity switch with speed monitoring function in M 30 plastic casing.

- Simultaneous monitoring of lower and upper actuating frequency
- Output 2 for signaling the goods window
- Output 4 indicates each actuation (proximity switch function)
- Programmable limit values in TEACH-IN process or by programming box
- Programmable start-up time



Technical Data

Type	IDLA 015.28 G
Art.-No.	2473B-3
Rated pulse range prog.	5...6000 puls./min.
Rated operating distance (Sn)	15 mm
Output 2 speed controller	PNP Opened if the pulses not within the rated pulse range
Output 4 proximity switch	PNP-normally open closed if the active surface is damped
Target steel St37, 1 mm thick	45 x 45 mm
Location at metal	non flush
Supply voltage (U _B)	10 - 30 V DC
Ripple voltage	max. 15 %
Load current max.	0 - 200 mA
Short- time load current	0,8 A / 100 ms 2 A / 10 ms
Short circuit protection	yes, pulsing
No-load current (I ₀)	10 mA / 24 V DC
Voltage drop (U _d)	1,5 V / 50 mA
Start-up time prog.	0 – 120 ms
Switching hysteresis (H) proximity switch	3 - 15 %
Switching hysteresis speed controller	10 %
Ambient temperature	-25 ... +70 °C
Protection class	IP 67
Connection	3 m cable
Function display	LED
Housing material	Plastic PBT
Accessories (not included in the scope of supply)	Art.-No.
programming device ProxiBox ID1	2477A

When the supply voltage is applied the output closes for 9 s (Start-up time, LED red). Thereafter the sensor evaluates the actual operating frequency. Via the TEACH-IN function the pulse existing at the sensor face can be stored as upper or lower limit value of the rated pulse range. If the pulses gets higher or lower than the rated pulse range, output 2 blocks.

Diagram of Connections

