



The PROKontrol standard offering for limit switch boxes include a mechanical and inductive general purpose limit switch box and one mechanical and two inductive ATEX rated limit switch boxes. The limit switch boxes are mounted on the top flange of a pneumatic actuator and provide a signal feedback on the valve position (open / closed), which can be tied into the customers control system.

Mechanical Limit Switch Boxes

PROKontrol Part No.	ESBME1	ESBMX1
Switch make, -type	Cherry, D44X	Bartec, 07-1511-1030
Function	Switch N.O. / N.C.	Switch N.O. / N.C.
Power rating	24V DC 2,5A / 250V AC 10A	24V DC 150mA
Contacts	Silver	Silver
Protection class	IP67	IP66
Temperature range	-25...+80 °C	-20...+40 °C
SIL level (IEC 61508:2010)	SIL 1-3	SIL 1-3
ATEX Classification	n/a	Zone 1, 21



Inductive Limit Switch Boxes

PROKontrol Part No.	ESBIN1	ESBIX1	ESBIX2
Switch make, -type	P + F, NBB2-V3-E2	P + F, NBB2-V3-E2-3G-3D	P + F, NJ2-V3-N
Function	3-Wire PNP N.O.	3-Wire PNP N.O.	2-Wire Öffner N.C.
Power rating	10...30V DC 100mA	10...30V DC 100mA	8,2V DC ≥ 3mA
Switching frequency	1000Hz	1000Hz	1000Hz
Protection class	IP67	IP67	IP67
Temperature range	-25...+80 °C	-25...+80 °C	-25...+70 °C
SIL level (IEC 61508:2010)	n/a	n/a	SIL 1-3
ATEX Classification	n/a	Zone 2, 21, 22	Zone 1, 21



Other, and UL certified versions of the above or equivalent limit switch boxes are available on request. The PROKontrol automation components are typically available on stock at PROKOSCH. Other customer specific automation components are purchased on demand.



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