

SAFETY SWITCHES TYPE 1

Switch for hinged applications
IN62 – VKW/VKS



MANY BENEFITS AT A GLANCE

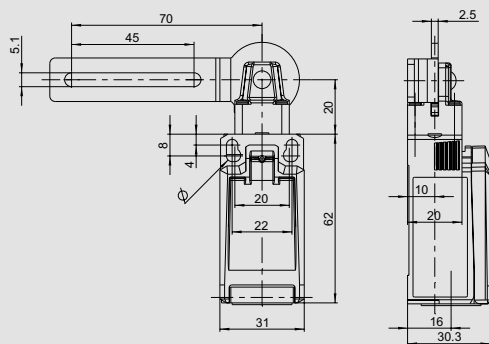
- Standard switch conforming to DIN EN 50047
- Highest reliability at low currents (1 mA)
- Protection class IP67

Technical data

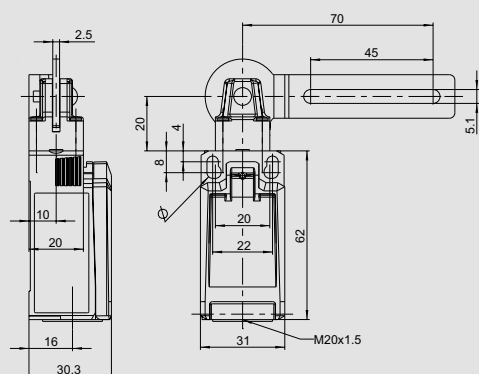
Electrical data		
Design insulation voltage	U_i max.	400 V AC
Rated operating voltage	U_e max.	240 V AC/24 V DC
Conventional thermoelectric current	(up to) I_{the}	5 A
Utilisation category (up to)		AC-15, U_e/I_e 240 V/3 A DC-13 U_e/I_e 24 V/1,5 A (B300 table A.1)
Mechanical data		
Enclosure material		Thermoplastics, glass-fibre reinforced (UL 94-V0)
Ambient temperature		-30 °C to +75 °C
Mechanical lifetime		10 × 10 ⁶ switching cycles
B10d NC Contact cycles (up to) ^①		20 million
B10d NO Contact cycles (up to) ^①		1 million
Switching frequency		≤ 60/min.
Type of connection		4 screwed connections (M3)
Conductor cross-sections		Single-wire 0.5 – 1.5 mm ² or strand with wire-end ferrule 0.5 – 1.5 mm ²
Cable entry		1 × M20 × 1,5
Protection class		IP67 according to EN 60529; DIN VDE 0470 T1

① Depending on switching system and actuator (applicable values in data sheet)

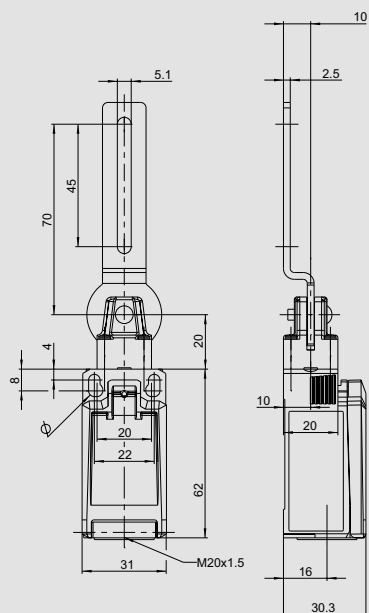
IN62-... VKW left



IN62-... VKW right

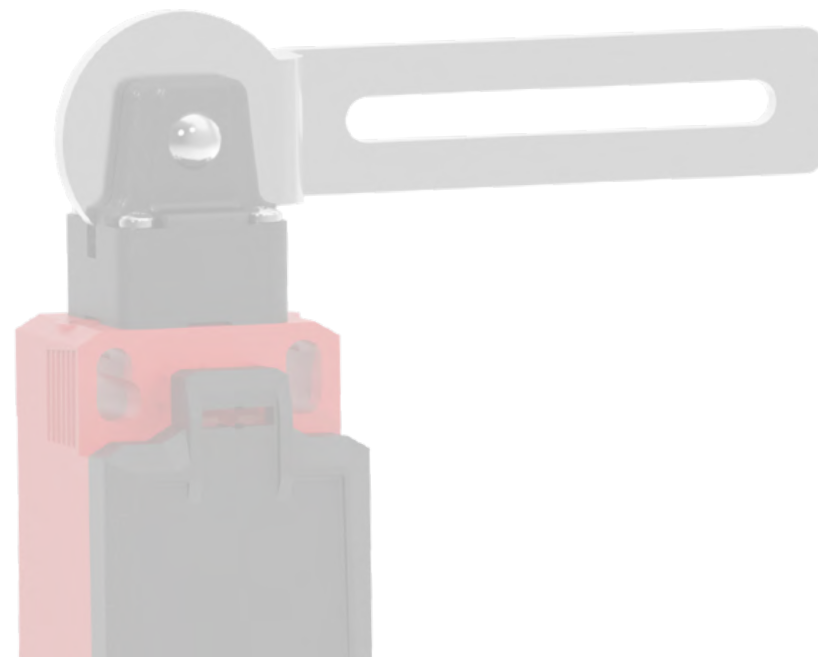


IN62-... VKS

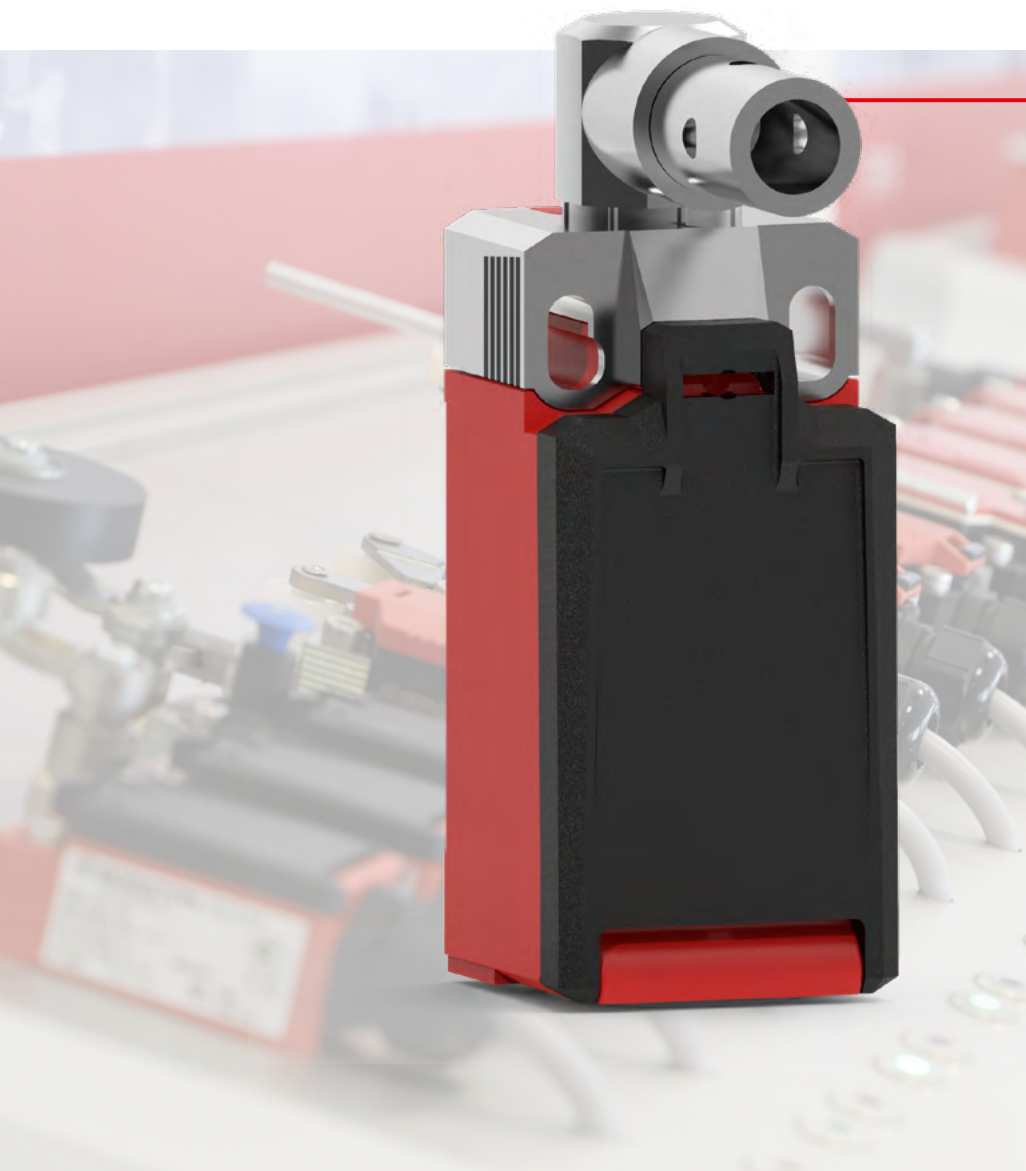


Product selection

Article number	Designation	Contact configuration	Function
6083000393	IN62-U1Z VKW LI	1NC/1NO	Slow action
6083000396	IN62-A2Z VKW LI	2NC	Slow action
6083000392	IN62-U1Z VKW RE	1NC/1NO	Slow action
6083000394	IN62-A2Z VKW RE	2NC	Slow action
6083000395	IN62-SA2Z VKW RE	2NC	Snap action
6083000390	IN62-U1Z VKS	1NC/1NO	Slow action
6083000389	IN62-A2Z VKS	2NC	Slow action
6083000391	IN62-UV1Z VKS	1NC/1NO overlapping	Slow action



Switch for hinged applications **IN65 – AHDB**



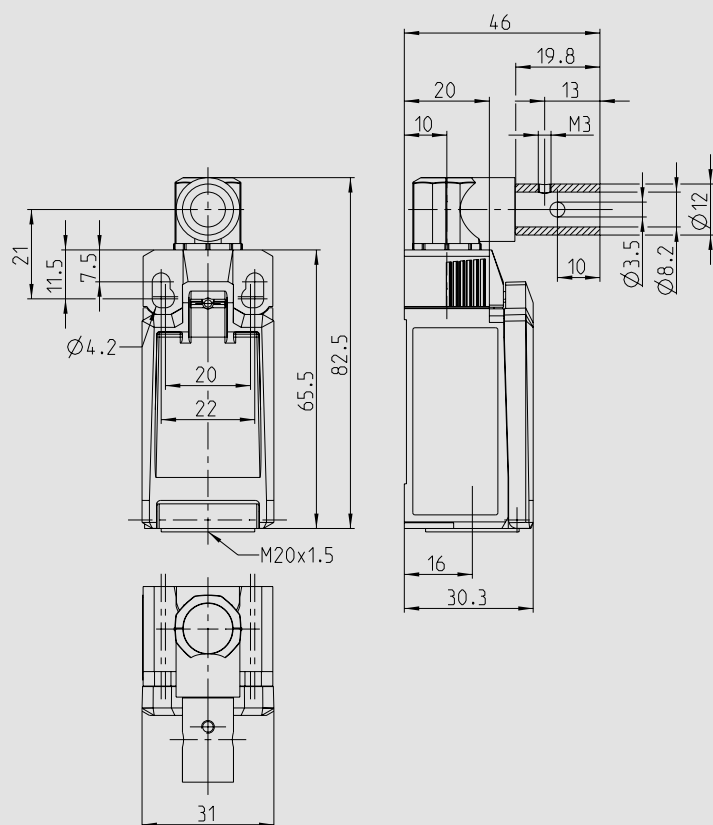
MANY BENEFITS AT A GLANCE

- Standard switch conforming to DIN EN 50047
- Highest reliability at low currents (1 mA)
- Protection class IP67

Technical data

Electrical data		
Design insulation voltage	U_i max.	400 V AC
Rated operating voltage	U_e max.	240 V AC/24 V DC
Conventional thermoelectric current	(up to) I_{the}	5 A
Utilisation category (up to)		AC-15, U_e/I_e 240 V/3 A DC-13 U_e/I_e 24 V/1,5 A (B300 table A.1)
Mechanical data		
Enclosure material		Thermoplastics, glass-fibre reinforced (UL 94-V0)
Ambient temperature		-30 °C to +75 °C
Mechanical lifetime		15 × 10 ⁶ switching cycles
B10d NC Contact cycles (up to) ^①		20 million
B10d NO Contact cycles (up to) ^①		1 million
Switching frequency		≤ 60/min.
Type of connection		4 screwed connections (M3)
Conductor cross-sections		Single-wire 0.5 – 1.5 mm ² or strand with wire-end ferrule 0.5 – 1.5 mm ²
Cable entry		1 × M20 × 1,5
Protection class		IP67 according to EN 60529; DIN VDE 0470 T1

① Depending on switching system and actuator (applicable values in data sheet)



Product selection

Article number	Designation	Contact configuration	Function
6083000345	IN65-U1Z AHDB	1NC/1NO	Slow action
6083000347	IN65-A2Z AHDB	2NC	Slow action
6083000350	IN65-UV1Z AHDB	1NC/1NO overlapping	Slow action
6083000344	IN65-SU1Z AHDB	1NC/1NO	Snap action
6083000346	IN65-SA2Z AHDB	2NC	Snap action

