



IF-2

ENDESTOP I KUNSTSTORHUS

MED FASTMONTERET KABEL

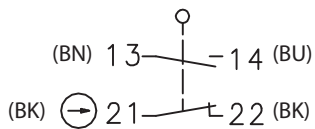


Plastic bodied limit switch Series I49

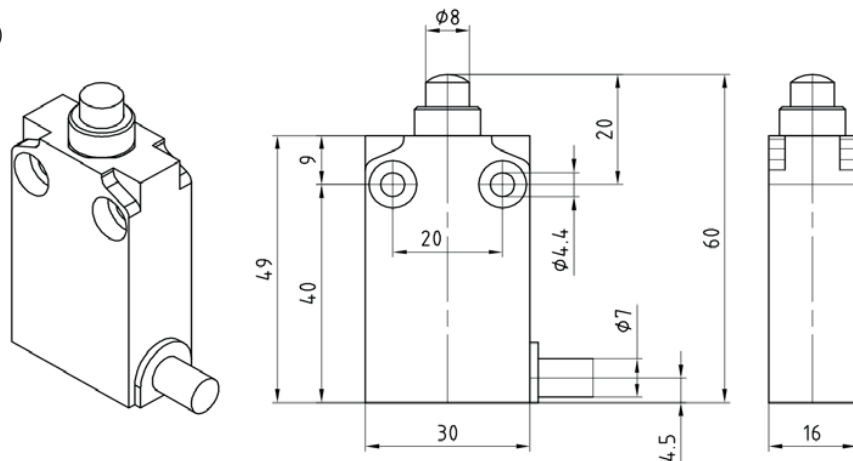
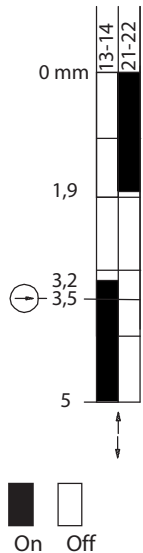
Description **I49-U1Z IW**

Article number **6089102049**

Operating symbol



Operating diagram



Electrical Data

Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U_i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) $0 < 40^\circ\text{C}$	I_{the} 10 A
Rated operational voltage	U_e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	 acc. to IEC/EN 60947-5-1
Short-circuit protective device $U_e < 500\text{ V a.c.}$ - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

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Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2015-08-19 and will not be removed in case of changes.

Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Plain plunger
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	non overlapping slow action contacts, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	0,5 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

EU Conformity	
	acc. to directive 2006/95/EC

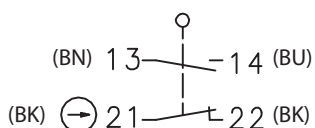
Approvals	
	cUL _{US}

Plastic bodied limit switch Series I49

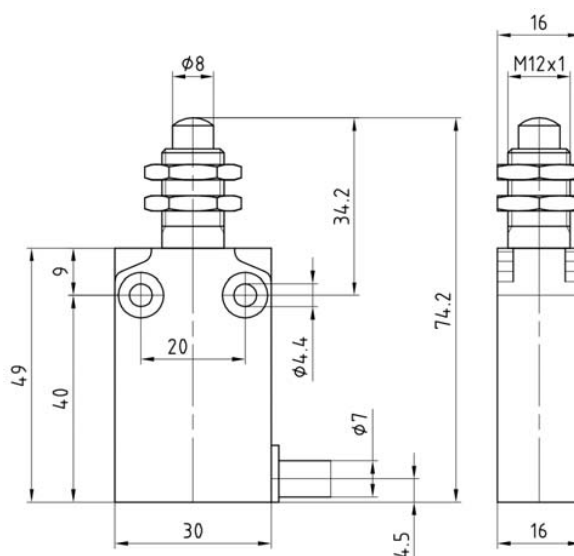
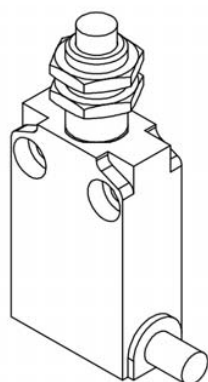
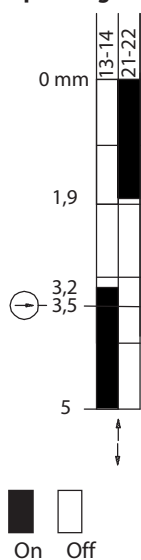
Description **I49-U1Z IWF**

Article number **6089102051**

Operating symbol



Operating diagram



Electrical Data

Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U_i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) 0 < 40 °C	I_{the} 10 A
Rated operational voltage	U_e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	⊕ acc. to IEC/EN 60947-5-1
Short-circuit protective device $U_e < 500$ V a.c. - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Plain plunger with fixing nut
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	non overlapping slow action contacts, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	0,5 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

EU Conformity	
	acc. to directive 2006/95/EC

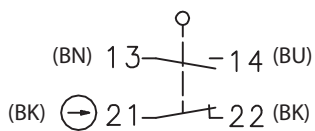
Approvals	
	cUL _{US}

Plastic bodied limit switch Series I49

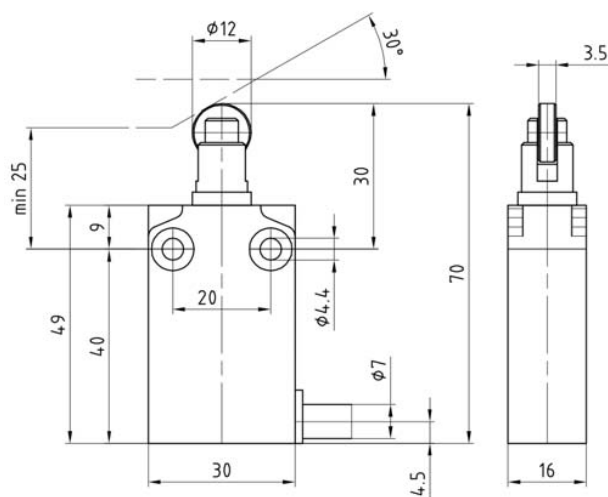
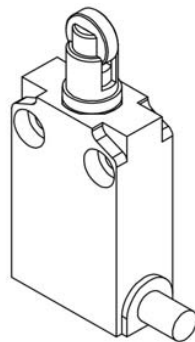
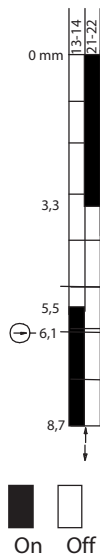
Description **I49-U1Z RIW**

Article number **6089117053**

Operating symbol



Operating diagram



Electrical Data

Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U_i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) 0 < 40 °C	I_{the} 10 A
Rated operational voltage	U_e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	 acc. to IEC/EN 60947-5-1
Short-circuit protective device $U_e < 500$ V a.c. - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

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Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2015-08-19 and will not be removed in case of changes.

Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Metal roller plunger
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	non overlapping slow action contacts, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	0,1 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

EU Conformity	
	acc. to directive 2006/95/EC

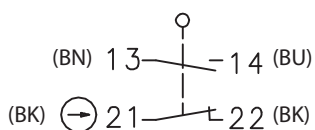
Approvals	
	cUL _{US}

Plastic bodied limit switch Series I49

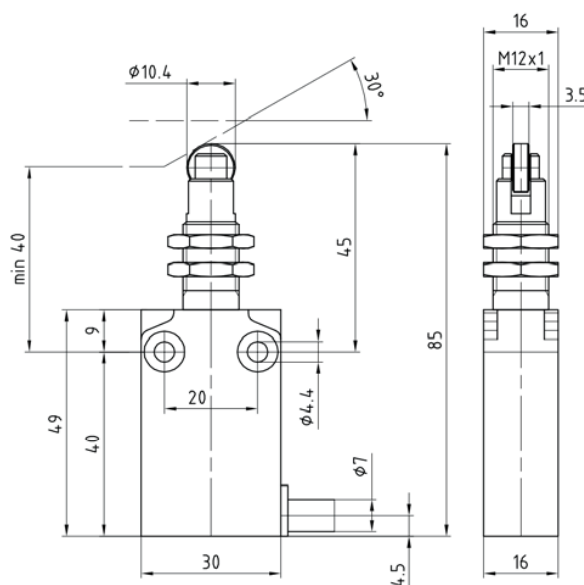
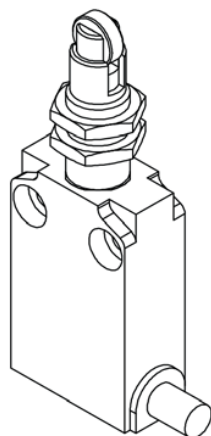
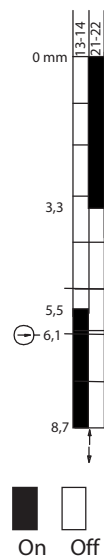
Description **I49-U1Z RIWF**

Article number **6089117055**

Operating symbol



Operating diagram



Electrical Data

Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U_i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) 0 < 40 °C	I_{the} 10 A
Rated operational voltage	U_e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	acc. to IEC/EN 60947-5-1
Short-circuit protective device $U_e < 500$ V a.c. - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Nylon roller plunger with fixing nuts
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	non overlapping slow action contacts, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	0,1 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

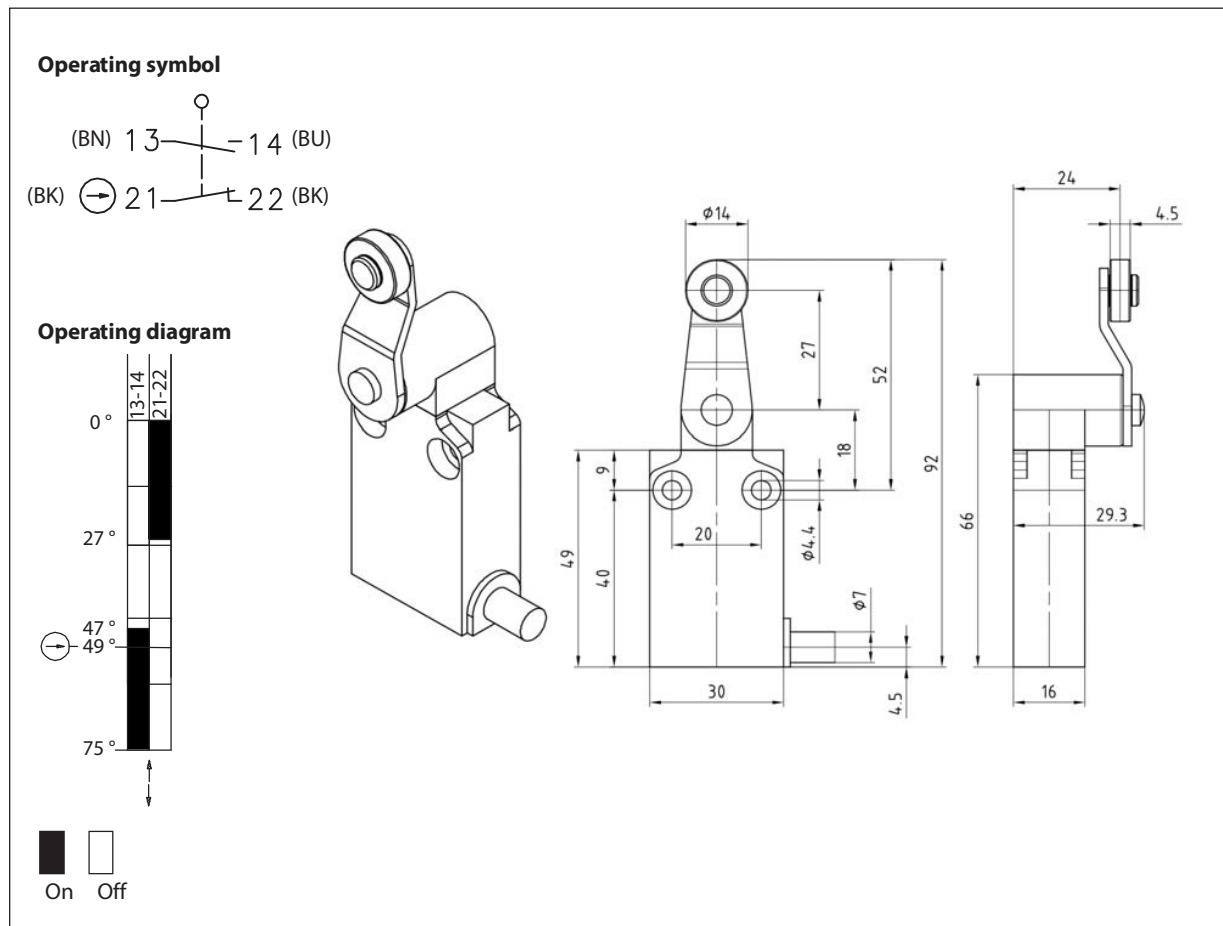
EU Conformity	
	acc. to directive 2006/95/EC

Approvals	
	cUL _{US}

Plastic bodied limit switch Series I49

Description **I49-U1Z AH**

Article number **6089135057**



Electrical Data

Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U_i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) 0 < 40 °C	I_{the} 10 A
Rated operational voltage	U_e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	acc. to IEC/EN 60947-5-1
Short-circuit protective device $U_e < 500$ V a.c. - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

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Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2015-08-19 and will not be removed in case of changes.

Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Ø14 mm nylon roller lever
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	non overlapping slow action contacts, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	1,5 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

EU Conformity	
	acc. to directive 2006/95/EC

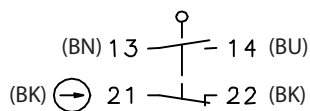
Approvals	
	cUL _{US}

Plastic bodied limit switch Series I49

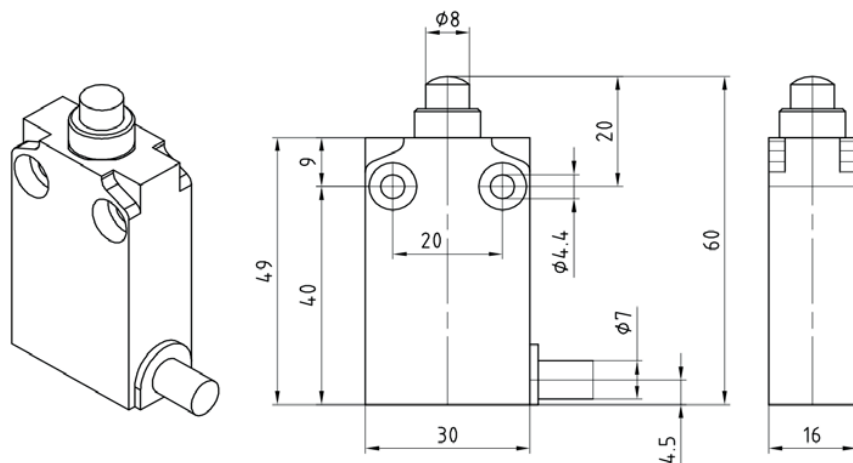
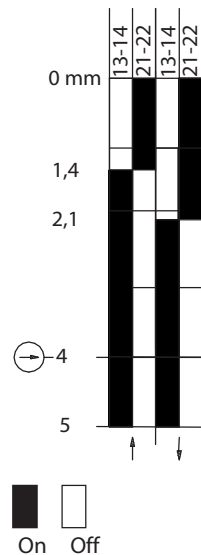
Description **I49-SU1Z IW**

Article number **6089152048**

Operating symbol



Operating diagram



Electrical Data

Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U_i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) 0 < 40 °C	I_{the} 10 A
Rated operational voltage	U_e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	acc. to IEC/EN 60947-5-1
Short-circuit protective device $U_e < 500$ V a.c. - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

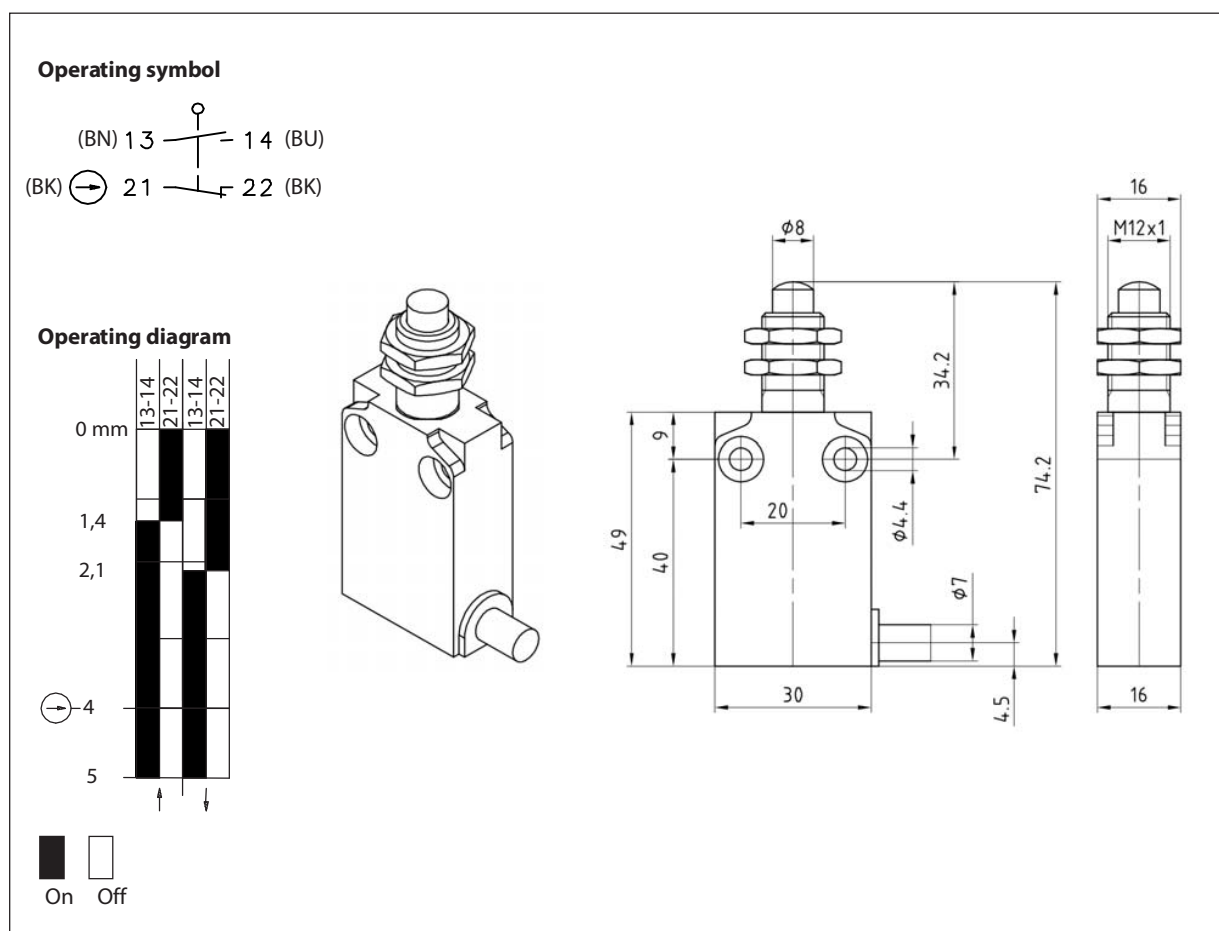
Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Plain plunger
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	Snap action, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	0,5 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

EU Conformity	
	acc. to directive 2006/95/EC

Approvals	
	cUL _{us}

Description **I49-SU1Z IWF** Article number **6089152050**



Electrical Data	
Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U _i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) 0 < 40 °C	I _{the} 10 A
Rated operational voltage	U _e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	⤵ acc. to IEC/EN 60947-5-1
Short-circuit protective device U _e < 500 V a.c. - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Plain plunger with fixing nuts
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	Snap action, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	0,5 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

EU Conformity	
	acc. to directive 2006/95/EC

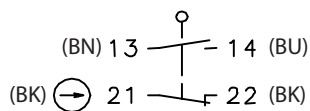
Approvals	
	cUL _{US}

Plastic bodied limit switch Series I49

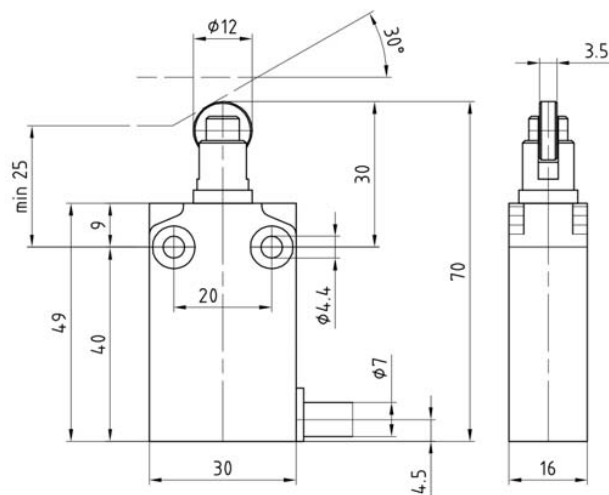
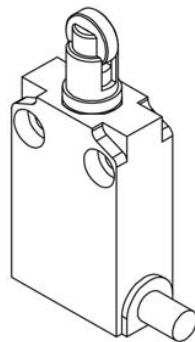
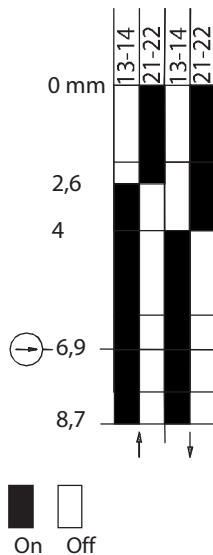
Description **I49-SU1Z RIW**

Article number **6089167052**

Operating symbol



Operating diagram



Electrical Data

Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U_i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) 0 < 40 °C	I_{the} 10 A
Rated operational voltage	U_e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	acc. to IEC/EN 60947-5-1
Short-circuit protective device $U_e < 500$ V a.c. - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

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Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2015-08-19 and will not be removed in case of changes.

Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Metal roller plunger
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	Snap action, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	0,1 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

EU Conformity	
	acc. to directive 2006/95/EC

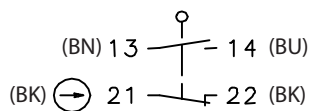
Approvals	
	cUL _{US}

Plastic bodied limit switch Series I49

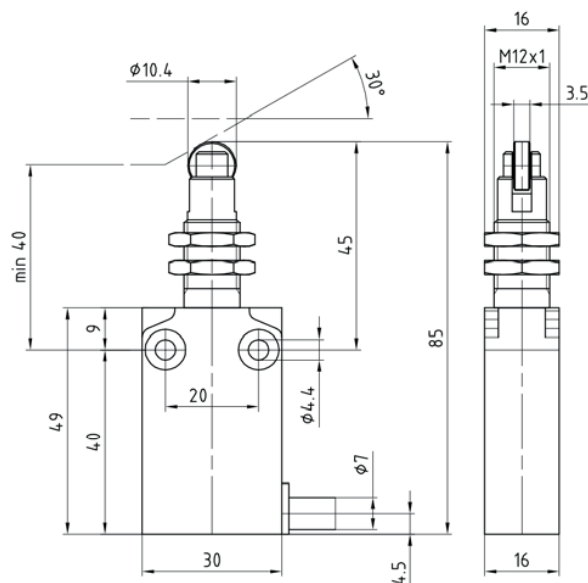
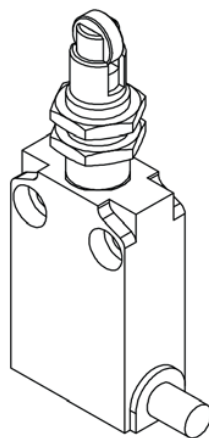
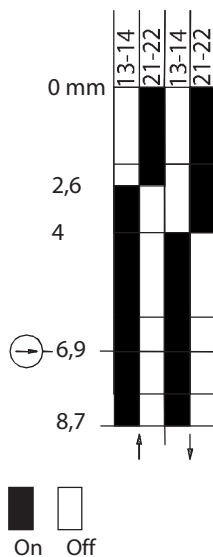
Description **I49-SU1Z RIWF**

Article number **6089167054**

Operating symbol



Operating diagram



Electrical Data

Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U_i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) 0 < 40 °C	I_{the} 10 A
Rated operational voltage	U_e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	acc. to IEC/EN 60947-5-1
Short-circuit protective device $U_e < 500$ V a.c. - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Nylon roller plunger with fixing nuts
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	Snap action, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	0,1 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

EU Conformity	
	acc. to directive 2006/95/EC

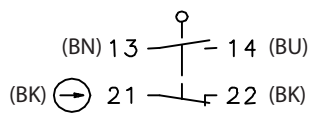
Approvals	
	cUL _{US}

Plastic bodied limit switch Series I49

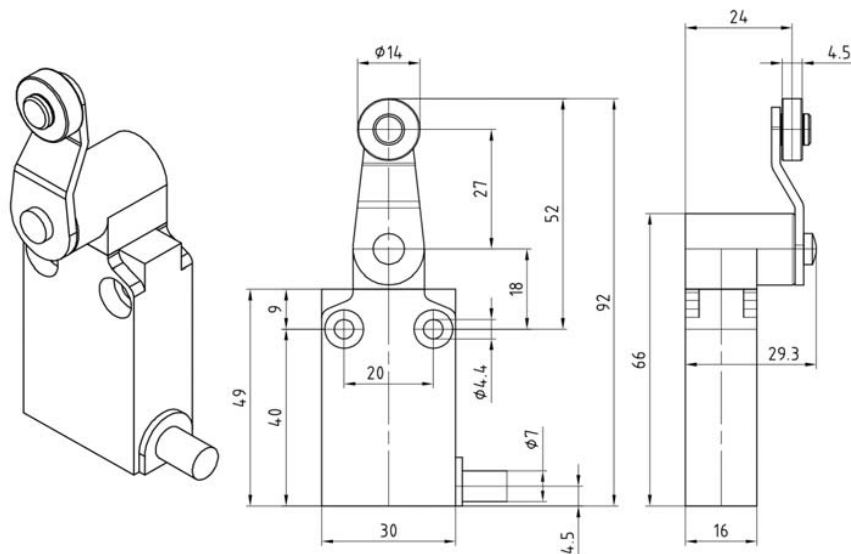
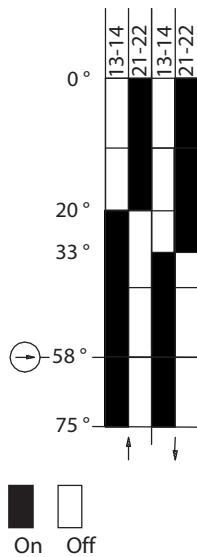
Description **I49-SU1Z AH**

Article number **6089185056**

Operating symbol



Operating diagram



Electrical Data

Rated insulation voltage acc. to IEC 947-1 and EN 60-947-1 acc.to UL 508 and CSA C22-2 n° 14	U_i 400 V (degree of pollution 3) B300, R300
Conv. thermal current acc. to IEC 947-5-1 and EN 60947-5-1) 0 < 40 °C	I_{the} 10 A
Rated operational voltage	U_e 240 V
Utilization category	AC-15, 24 V - 10 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 125 V - 0.22 A / 250 V - 0.27 A
Direct opening action	acc. to IEC/EN 60947-5-1
Short-circuit protective device $U_e < 500$ V a.c. - gG type fuses	Fuse 10 A gG
Protection class	II, totally insulated

Mechanical data	
Enclosure	Pre-wired, Double insulation, Plastic Casing IP67, 30 mm width
Actuator	Ø14 mm nylon roller lever
Ambient air temperature	
-during operation	-25 °C ... +70 °C
-for storage	-40 °C ... +70 °C
Contact type	Snap action, 1 NO, 1 NC
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	60 / min
Velocity for actuating	1,5 m/s
Resistance between contacts	< 25 mΩ
Connection	PVC 4 x 0,75 mm ² UL cable, 1m length
Installation position	All positions are authorized
Protection type	IP67 acc. to IEC/EN 60529; Type 1 enclosure ("indoor use only") acc. to UL50

Standards	
	IEC 947-1
	DIN EN 60947-5-1

EU Conformity	
	acc. to directive 2006/95/EC

Approvals	
	cUL _{US}

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