

MKey

Mechanical Safety Switch

Main features

- Available in Metal, Stainless Steel, and Plastic housings
- Industry standard foot prints
- Mkey 8 & 9 Are Solenoid Locking
- Ex Proof versions for harsh environments (See Switch Catalog)
- Ideal for OEM & MRO applications
- Can be used with Sentry Safety Relays or Pluto Safety PLC



MKey 1
Plastic



MKey 2
Plastic



MKey 4
Plastic



MKey 5
Plastic, Plastic with SS Head, All SS



MKey 6
Die Cast, Die Cast with SS HEADS, All SS



MKey 8 & 8M
Die Cast, Die Cast with SS HEADS, All SS



MKey 9 & 9M
Plastic with SS Heads



Std Key



Flat Key



Plastic Flex
Key



SS Flex
Key

MKey

Mechanical Safety Switch with Standard Key, Order Specialty Key Separately

Part Number	MKey 1, Plastic Body, Mech Safety Switch
2TLA050021R1100	Mkey1, Compact NPT, 2NC/1NO with Angle Key
Part Number	MKey 2, Plastic Body, Mech Safety Switch
2TLA050020R1000	Mkey2, Compact Hinge NPT, 2NC/1NO
Part Number	MKey 4, Plastic Body, Mech Safety Switch
2TLA050001R1100	Mkey4, NPT, 2NC/1NO
2TLA050001R1101	Mkey4+, NPT, 2NC/1NO 40N
2TLA050001R1110	Mkey4, SS Head, NPT, 2NC/1NO
2TLA050001R1111	Mkey4+, SS Head, NPT, 2NC/1NO 40N
Part Number	MKey 5, Mech Safety Switch
2TLA050003R1100	Mkey5, Plastic Body, NPT, 2NC/1NO
2TLA050003R1101	Mkey5+, Plastic Body NPT, 2NC/1NO 40N
2TLA050003R1110	Mkey5, SS Head, NPT, 2NC/1NO
2TLA050003R1111	Mkey5+, SS Head, NPT, 2NC/1NO 40N
2TLA050003R1120	Mkey5Z, SS Body, NPT 2NC/1NO
2TLA050003R1121	Mkey5+Z, SS Body, NPT 2NC/1NO 40N
Part Number	MKey 6, Metal Body, Mech Safety Switch
2TLA050005R1130	Mkey6, NPT, 2NC/1NO
2TLA050005R1131	Mkey6+, NPT, 2NC/1NO 40N
2TLA050005R1140	Mkey6Z, SS Head, NPT 2NC/1NO
2TLA050005R1141	Mkey6+Z, SS Head, NPT 2NC/1NO 40N
2TLA050005R1120	Mkey6Z, SS Body, NPT 2NC/1NO
2TLA050005R1121	Mkey6+Z, SS Body, NPT 2NC/1NO 40N
Part Number	MKey 8, Metal Body, Solenoid Safety Switch
2TLA050011R1132	Mkey8, NPT, 24V Sol, Power to Unlock,
2TLA050011R1142	Mkey8, SS Head, NPT, 24V Sol, Power to Unlock,
2TLA050011R1122	Mkey8Z, SS Body, NPT, 24V Sol, Power to Unlock,

Part Number	MKey 8ER & 8ERZ, Metal Body, Solenoid Safety Switch, 24 VDC
2TLA050015R1132	Mkey8ER, NPT, 24V Sol, Power to Unlock,
2TLA050015R1122	Mkey8ERZ, SS Body, NPT, 24V Sol, Power to Unlock,
Part Number	MKey 8M, Metal Body, Solenoid Safety Switch, 24 VDC
2TLA050013R1132	Mkey8M, Sol NPT, 24V, Power to Lock,
2TLA050013R1142	Mkey8M, SS Head, Sol NPT, 24V, Power to Lock,
Part Number	MKey 9 & 9M, Plastic Body, Solenoid Safety Switch, 24 VDC
2TLA050007R1112	Mkey9, SS Head, Sol NPT, 24V, Power to Unlock,
2TLA050009R1112	Mkey9M, SS Head, Sol NPT, 24V, Power to Lock,
Part Number	Keys
2TLA050040R0201	MKey 4,5 Metal Standard Key (Mkey 4/5 with Plastic Head)
2TLA050040R0202	MKey 4,5,6,8,9 Metal Standard Key (Mkey 4/5 with SS Head)
2TLA050040R0220	MKey 4,5,6,8,9 Metal Flat Key
2TLA050040R0221	MKey 4,5,6 With Plastic Housing, Flex Key
2TLA050040R0203	MKey 4,5,6,8,9 Metal Housing Flex Key
2TLA050040R0204	MKey 6,8,9 SS Housing Flex Key
2TLA050040R0400	MKey 8Z, 8ERZ, Manual Release Key for Solenoid Switches
Part Number	Accessories
2TLA050040R0001	1/2 NPT 316 SS Cable Gland

- Commonly ordered safety switches with only standard keys are listed on this page
- Order specialty key separately, or go to our Safety Switch catalog for other options
- + Indicates Holding force of 40N (9lbs)
- All Shown are ½” NPT connections (See catalog for others)
- “Z” in the part description indicates it is stainless steel & IP69k
- All the safety switches on this page are ½” NPT and would require a ½” NPT cable gland to go to a cable. Consult the manual for the number of conductors required.
- You can also go to a ½” NPT conduit connection

Mkey Catalog

MKey 8 Series
Manual

MKey 9 Series
Manual

Cables

Home Page

GKey

Modular Safety/Process Lock

Main features

Modular Design

- Gkey uses the ABB Compact line of 22mm pilot devices allowing you to customize it to your requirements.
- Modular design allows you to order just what you need, Start with the Gkey4 RU and add what you need
- Operates on 24 VDC

Locking function

- A locked door cannot be opened by a person.
- Usually used when the door may only be opened at a specific time, e.g. at the end of the welding operation (process protection) or when the dangerous movement has stopped (person protection = safety function).
- GKey can be used when safe locking/unlocking is necessary. Up to PLe/SIL 3



GKey safety lock incorporate an RFID interlock switch and is designed to fit to the leading edge of machine guard doors to provide robust guard locking and double tamper resistant interlock mechanism.

It is designed to provide position interlock detection for moving guards and will keep the guard locked until a voltage is applied to the switch solenoid. GKey safety lock will hold guards closed up to 3000 N.

It can be used in conjunction with delay timers to provide the solenoid energize signal only after a pre-determined time has run down. GKey housing can incorporate positions for mounting of standard ABB Compact 22 mm push buttons, switches or lamps to facilitate machine request functions and diagnostics all in one housing. These pilot devices are ordered separately.

GKey

Modular Safety/Process Lock



2TLA050304R0002
GKey4 RU Safety lock
4 positions, die-cast, escape release,
manual unlock, 24 VDC



2TLA050310R0032
FHS GKey4 Front handle,
sliding incl. mounting plate for GKey4



2TLA050040R0510
RHS GKey MKey Rear handle, sliding



2TLA050040R0511
SCS GKey MKey Spring loaded catch



1SFA619501R1051
Emergency stop button,
2NC Not Illuminated 24 V AC/DC
CE3P-10R-02 Qty 1/pkg



1SFA619200R1026
2 Position Selector Switch,
Not Illuminated 24 V AC/DC
CE3P-10R-02 Qty 10/pkg



See above for part number
Push button Illuminated
24 VDC Available in red, green, blue,
white Qty 10/pkg



1SFA616920R8120
Legend plate holder ,
Without Insert
KA1-8120 Qty 100/pkg



1SFA611920R8130
Blanking plug, Black
MA1-8130 Qty 10/pkg

Part Number	Gkey, Die Cast Body, RFID Key
2TLA050304R0002	GKey4 RU, No Pilot Devices, 24 VDC
Part Number	GKey, Mounting Plate with Front Handle
2TLA050310R0032	FHS GKey4
Part Number	GKey, Accessories
2TLA050040R0510	RHS Gkey MKey
2TLA050040R0511	SCS Gkey MKey
Part Number	GKey Pilot Devices Commonly Used
1SFA619501R1051	Emergency stop button, Dual Channel. 24VDC 1/pkg
1SFA619200R1026	2 Position Selector switch, 24 VDC 10/pkg
1SFA619100R1112	Push button Illuminated 24 VDC Green 10/pkg
1SFA619100R1113	Push button Illuminated 24 VDC Yellow 10/pkg
1SFA619100R1114	Push button Illuminated 24 VDC Blue 10/pkg
1SFA619100R1118	Push button Illuminated 24 VDC White/Clear 10/pkg
1SFA619101R1016	Push button Not Illuminated 24 VDC Black 10/pkg
1SFA611920R8130	Blanking plug Black 10/pkg
1SFA616920R8120	Legend plate holder (without insert) 100/pkg

Consult the manual to determine the cabling needs

To view additional Compact Pilot Devices click on the Pilot Device Catalog button below

[Gkey Web Page](#)

[Gkey Manual](#)

[Gkey Product Sheet](#)

[Pilot Devices Catalog](#)

[Cables](#)

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Sense

Non-Contact Magnetic Safety Switch

Main features

- Available in Stainless Steel (Z) and Plastic housings
- Industry standard foot prints
- Over 1200 available
- See catalog for Explosion Proof



Sense 1 & 2



Sense 5 & 6



Sense 7 & 8



Sense 3 & 4



Sense 9 & 10



Sense 11 & 12

See Catalog for dimensions

Sense

Non-Contact Magnetic Safety Switch

Sense Coded Magnetic Safety Switch, 5m cable w/flying leads

Part Number	Sense Coded Magnetic Safety Switch
2TLA050050R5108	Sense 1, 5m cable Rt Cable Exit, 2NC/1NO LED, 24VDC
2TLA050050R5107	Sense 1, 5m cable Lt Cable Exit, 2NC/1NO LED, 24VDC
2TLA050052R5100	Sense 3, 5m cable, 2NC/1NO LED, 24VDC
2TLA050052R5120	Sense 3Z, SS 5m cable, 2NC/1NO LED, 24VDC
2TLA050052R5150	Sense 3Z, HYG SS 5m cable, 2NC/1NO LED, 24VDC
2TLA050054R5100	Sense 5, 5m cable, 2NC/1NO LED, 24VDC
2TLA050054R5120	Sense 5Z, SS 5m cable, 2NC/1NO LED, 24VDC
2TLA050056R5100	Sense 7, 5m cable, 2NC/1NO LED, 24VDC
2TLA050056R5120	Sense 7Z, SS 5m cable, 2NC/1NO LED, 24VDC
2TLA050058R5100	Sense 9, 10m cable, 2NC/1NO LED, 24VDC
2TLA050058R5120	Sense 9Z, SS 5m cable, 2NC/1NO LED, 24VDC
2TLA050058R5150	Sense 9Z HYG, SS 5m cable, 2NC/1NO LED, 24VDC
2TLA050060R5100	Sense 11, 5m cable, 2NC/1NO LED, 24VDC
2TLA050060R5120	Sense 11Z, SS 5m cable, 2NC/1NO LED, 24VDC

Coding offers a degree of tamper resistance over uncoded non contact magnetic safety switches

Sense Uncoded Magnetic Safety Switch, 5m cable w/flying leads

Part Number	Sense Uncoded Magnetic Safety Switch
2TLA050070R5108	Sense 2, 5m cable Rt 2NC/1NO, 24 VDC
2TLA050070R5107	Sense 2, 5m cable Lt 2NC/1NO, 24 VDC
2TLA050072R5100	Sense 4, 5m cable, 2NC/1NO, 24 VDC
2TLA050072R5120	Sense 4Z, SS 5m cable, 2NC/1NO, 24 VDC
2TLA050072R5150	Sense 4Z, Hyg, SS 5m cable, 2NC/1NO, 24 VDC
2TLA050074R5100	Sense 6, 5m cable, 2NC/1NO, 24 VDC
2TLA050074R5120	Sense 6Z, SS 5m cable, 2NC/1NO, 24 VDC
2TLA050076R5100	Sense 8, 5m cable, 2NC/1NO, 24 VDC
2TLA050076R5120	Sense 8Z, SS 5m cable, 2NC/1NO, 24 VDC
2TLA050078R5100	Sense 10, 5m cable, 2NC/1NO, 24 VDC
2TLA050078R5120	Sense 10Z, SS 5m cable, 2NC/1NO, 24 VDC
2TLA050078R5150	Sense 10Z HYG, SS 5m cable, 2NC/1NO, 24 VDC
2TLA050080R5100	Sense 12, 5m cable, 2NC/1NO, 24 VDC
2TLA050080R5120	Sense 12Z, SS 5m cable, 2NC/1NO, 24 VDC

All Sense Magnetic Safety Switches above have 5m cables
See main switch catalog for 2 & 10m options
"Z" in the part description indicates it is stainless steel & IP69k
Refer to the catalog for the number of leads per switch

Sense
Catalog

Sense 7 Series
Manual

Cables

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