



Harmony 9001K and 9001SK

Control and signaling units Ø30

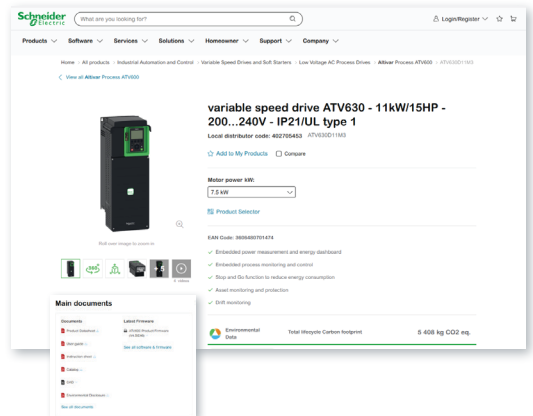


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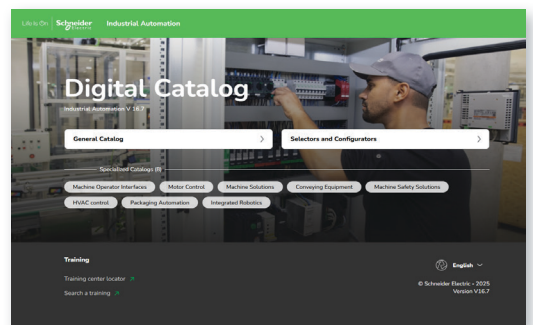
- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Instruction sheets, User guides, Product certifications, End of life manuals, etc



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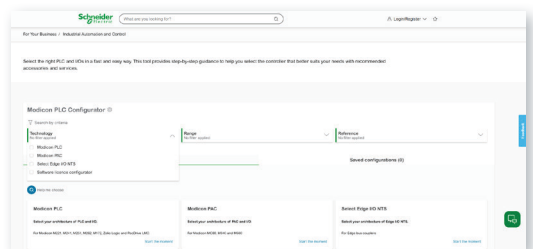
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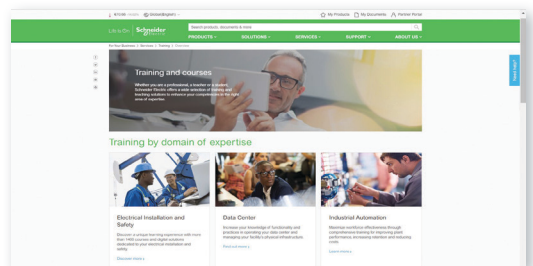
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Harmony

Discover [Harmony](#)

Advanced operator interface and industrial relays

Harmony operator interface and industrial relays enhance operational efficiency and equipment availability across industrial and building applications. **Harmony** includes intelligent connected products and edge terminals that visualize, gather and process data, enabling informed operator decisions

Explore our offer

- [Harmony](#) Push Buttons and Switches
- [Harmony](#) HMI Operator Terminals, IPC and EdgeBox
- [Harmony](#) Signaling Devices
- [Harmony](#) Electrical Relays
- [Harmony](#) Safety

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Harmony® 9001K and 9001SK pushbuttons, switches and pilot lights

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Product type	Pilot lights	Pushbuttons, selector switches, and pilot lights			Biometric switches	Wireless and batteryless pushbuttons	Pushbuttons, selector switches, and pilot lights	Joystick controllers	Pushbuttons, selector switches, and pilot lights	Cam switches		
												
Description of range	<ul style="list-style-type: none"> LED pilot lights 	<ul style="list-style-type: none"> Pushbuttons Multiple-headed pushbuttons Emergency stop pushbuttons Selector switches and key switches Illuminated pushbuttons Pilot lights Flush mounted pushbuttons, selector switches, and pilot lights (1) 			Fingerprint readers 24V $\overline{\text{---}}$ <ul style="list-style-type: none"> Standalone biometric switches Standalone USB biometric switches USB biometric switches dedicated to Schneider HMI (2) 	<ul style="list-style-type: none"> Wireless and batteryless pushbuttons and rope pull switch Wireless receivers Harmony Hub EcoStruxure Panel Server 	<ul style="list-style-type: none"> Pushbuttons Emergency stop and Emergency switching off pushbuttons Selector switches and key switches Illuminated pushbuttons Pilot lights 	<ul style="list-style-type: none"> 2- or 4-direction Stay put or spring return 	<ul style="list-style-type: none"> Pushbuttons Emergency stop pushbuttons Selector switches and key switches Illuminated pushbuttons Pilot lights 	<ul style="list-style-type: none"> Stepping switches Reversing and changeover switches Ammeter switches Voltmeter switches Reversing switches Star-delta and reversing star-delta switches Pole change switches 		
Features	Products	Monolithic, compact, low consumption			Monolithic	Ready-to-use packs (3) and "components" range	Monolithic	Complete units or sub-assemblies (body + head with lever)	Complete units or pre-assembled units (body + head)	Complete units or sub-assemblies (body + front panel + head)		
	Bezel	Double insulated	Double insulated (4)	Metal, chromium plated, or black	Double insulated	Double insulated, dark gray	Metal, chromium plated, or double insulated, black	Double insulated, dark gray (or white for pilot lights)	Metal, chromium plated	Double insulated, black	Metal, chromium plated, or double insulated, black	
	Shape of head	Circular	Circular, square, or rectangular	Circular	Circular	–	Transmitter with circular head	Circular	Circular	Hexagonal	Square	
Drill hole or cut-out for fixing	$\varnothing 8$ and $\varnothing 12$ mm/ 0.315 and 0.472 in.	$\varnothing 16$ mm/ 0.630 in.	$\varnothing 22$ mm/ 0.866 in. $\varnothing 30$ mm/ 1.181 in. (for flush mounted control and signaling units)	$\varnothing 22$ mm/ 0.866 in.	$\varnothing 22$ mm/ 0.866 in.	$\varnothing 22$ mm/ 0.866 in.			$\varnothing 30$ mm/ 1.181 in.	$\varnothing 16$ or $\varnothing 22$ mm/ 0.630 or 0.866 in.: series K10 $\varnothing 22$ mm/ 0.866 in. and multifixing: series K1/K2 4 holes, 48 or 68 centers: series K30...K150		
Degree of protection	Conforming to IEC 60529	IP40 IP65 with seal	IP65	IP66, IP67, IP69, and IP69K	IP65 (control button)	IP65	IP65 (control buttons and pilot lights) IP54 (Emergency switching off pushbuttons)	IP65	IP66	IP65	IP66	IP65: series K10 IP40, IP65 with seal: series K1/K2 IP40: series K30...K150
	Conforming to UL 508, UL 50E and CSA C22-2 No. 14	–	Enclosure type 4, 4X, and 13	–	Enclosure type 12	Enclosure type 12	Enclosure type 3 (pushbuttons and Emergency stop) and 4 (pilot lights)	Enclosure type 4, 4X, and 13	Enclosure type 4 and 13 (9001K) Enclosure type 4, 4X, and 13 (9001SK) Enclosure type 1, 2, 3, 3R, 4, 4X, 6, 12, and 13 (9001KR18● and 9001SKR18●)	–	–	–
Cabling	Tags for 2.8×0.5 mm/ 0.110×0.020 in. connectors or threaded connector	Faston connectors Solder pins for printed circuit boards (4) Fast connector socket (5)	Push-in terminal connections Screw clamp terminal connections Faston connectors Connector with adapter for printed circuit board	Cable or connectors	Wireless (transmitter) Through cable (receiver)	Screw and captive clamp terminal connections Faston clip connections (pilot lights)	Screw and captive clamp terminal connections					
Mounting	Panel thickness	$1...8$ mm/ $0.039...0.315$ in.	$1...6$ mm/ $0.039...0.236$ in.			$1...6$ mm/ $0.039...0.236$ in.						$0.5...6$ mm/ $0.020...0.236$ in. (depending on model)
Type references	XVLA	XB6, XB6E	XB4	XB5	XB5S	Harmony Wireless	XB7	XD4PA	XD2GA	XD5PA	9001K, 9001SK	K10, K1, K2, K30, K50, K63, K115, K150

(1) Flush mounted control and signaling units are available for Harmony XB4 and XB5 ranges only.
 (2) Compatible with Harmony iPC, STU, OT, GXO, GT (except GT1000 series), GK, GH, and GTO models.
 (3) Wireless and batteryless pushbutton and receiver ready-paired at the factory.

(4) For Harmony XB6 only.
 (5) For Harmony XB6E only.

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Pushbuttons, switches, pilot lights,
and Emergency stop pushbuttons

Presentation

The 30 mm/1.18 in. Harmony® 9001K and 9001SK control and signaling range offers a large choice of robust and reliable products to meet a great number of applications in heavy industries such as:

- Petrochemy
- Metallurgy
- Mining
- Oil and Gas
- Wastewater treatment
- Automobile manufacturing

■ Two family of products are available:

- The Harmony 9001K control and signaling units offering good robustness with a chromium plated metal bezel
- The Harmony 9001SK control and signaling units, with a double insulated bezel designed for applications requiring a high resistance to corrosion

■ These products are presented in the following pages under two forms:

- Complete units
- Sub-assemblies for user assembly (body sub-assemblies and head sub-assemblies)

■ The Harmony 9001 range is composed of:

- Pushbuttons and switches designed for Start/Stop control of machines and installations, adjustments and parametering (contact functions): Pushbuttons, selector/key switches, mushroom head pushbuttons.

- Pilot lights designed for visual signaling (signaling functions)

- Illuminated pushbuttons designed for control and signaling (contact functions + signaling functions)

■ The pushbuttons and switch control offer (illuminated and non-illuminated) is both broad and comprehensive:

- Flush, projecting, recessed, booted, spring return, push-pull marked or unmarked pushbuttons

- Emergency stop trigger action and mechanical latching pushbuttons (conforming to standards EN/IEC 60204-1 and EN/ISO 13850)

- Selector switches with long handle and key switches

- Joystick controllers

- Wobblesticks

- Wide choice of aluminum or plastic legend plates

- Wide choice of head colors

- Wide choice of accessories and spare parts common to both families

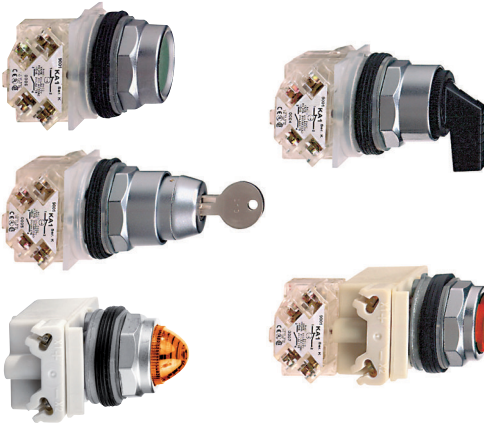
■ The pilot light signaling offer involves:

- LED integrated long-life and high luminosity pilot lights (Super Bright LED)

- Economic pilot lights with BA 9s incandescent bulbs

- A large range of voltages from 12 to 600 V

■ A complementary enclosures offer (enclosures in aluminum, in steel or in plastic) is also available.



Harmony 9001K control and signaling offer with chromium plated metal bezel



Harmony 9001SK control and signaling offer with double insulated bezel



Installation

- The Harmony 9001 products are simple and quick to install:
 - Block setting by single installer with a single screw contact block,
 - Automatic self-grounding operators without additional wiring,
 - Easy function identification thanks to the colored contact blocks,
 - Clear window for status of contact operation and troubleshooting,
 - Side-by-side and/or stacked mounting of contact blocks to minimize enclosure space requirements.

- Connection is made through screw clamp terminals (cross headed slotted screw).

Environment






- Harmony 9001 range meets the most demanding international standards and approvals:
 - EN/IEC 60947-1, EN/IEC 60947-5-1, and EN/IEC 60947-5-4
 - EN/IEC 60204-1 and EN/ISO 13850, Machinery Directive 2006/42/EC, EN/IEC 60947-5-5 for Emergency stop mushroom head pushbuttons (if used with Emergency stop legend plates)
 - UL508A, UL 60947-5-1, UL60947-5-5, IEC 60947-5-1, IEC 60947-5-5
 - International certifications: UL, CSA, NOM, and RoHS.

- Products are originally oil-tight, dust-tight and water-tight. No boot needs to be added. The following degrees of protection may be reached:

	According to IEC 61140	According to NEMA
9001K chromium plated metal bezel	IP66	Type 1, 2, 3, 3R, 4, 12 and 13
9001SK plastic bezel	IP66	Type 1, 2, 3, 3R, 4, 4X, 12 and 13

For more technical information, please consult our site www.schneider-electric.com.

Environmental specifications

Conforming to standards	  Marqued 		EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5, UL 508, CSA C22-2 n° 14, CE marked, RoHS compliant
Product certifications	 		UL 50E, UL 60947-5-1 & UL 60947-5-5, CSA C22.2 No. 60947-5-1 and CSA C22.2 No. 94.2 ABS and NOM (pending)
Ambient air temperature around the device	Storage	°F (°C)	-40 to +158 (-40 to +70)
	Operation	°F (°C)	-13 to +158 (-25 to +70)
Vibration resistance	Conforming to IEC 60068-2-6		Frequency: 2 to 500 Hz: 7gn Ford Standard EA-1
Shock resistance	Conforming to IEC 60068-2-27		Half sine wave: 50 gn
Electric shock protection	Conforming to IEC 61140		Class II
Degree of protection	Conforming to EN/IEC 60529		IP66
	Conforming to NEMA		9001K (metal): types 1, 2, 3, 3R, 4, 12, and 13 9001SK (plastic): types 1, 2, 3, 3R, 4, 4X, 12, and 13
Mechanical life (in millions of operating cycles)	Pushbuttons, spring return		5
	Illuminated pushbuttons		5
	Selector switches and key switches		0.5
	Emergency stop pushbuttons		0.3
Mounting position			All positions

Characteristics of contact or combined contact and signaling functions

Mechanical characteristics

Contact operation	N/C or N/O		Slow break
Positive operation	Conforming to EN/IEC 60947-5-1 appendix K		All functions incorporating a N/C contact have positive opening operation
Operating travel (to change the electrical state)	Pushbuttons	mm	Changing N/C state: 1.5 Changing N/O state: 2.6 Total Travel: 4.3
	Emergency stop pushbuttons	mm	Changing N/C state: 10.3 Changing N/O state: 10.3 Total Travel: 17
Operating force	Pushbuttons	N	Changing N/C state: 3.5 Changing N/O state: 3.8
	Additional contact only (extra to change state)	N	Single N/C contact: 2 Single N/O contact: 2.3
		N	Double N/C contact: 3.4 Double N/O contact: 5 Double contact N/C + N/O: 4.6
	Emergency switching off pushbuttons	N	Standard push-pull: 45
		N	Standard turn to release and key release: 40
Emergency stop pushbuttons	N	Trigger action turn to release: 50	

Electrical characteristics of contact blocks			
Rated operational characteristics	~ AC-15		3 A, 240 V
	-- DC-13		0.55 A, 125 V
Rated insulation voltage	Conforming to EN/IEC 60947-1	V	Ui = 250 degree of pollution 3 (except pilot lights with incandescent bulb: degree of pollution 2)
Rated impulse withstand voltage	Conforming to EN/IEC 60947-1	kV	Uimp = 2.5
Contact material	Normal environment and usage		Silver alloy
Contact operation	"NC" or "NO"		Slow break
Positive operation	Conforming to EN/IEC 60947-5-1	N	N/C contact(s) with positive opening operation
Short-circuit protection	Conforming to EN/IEC 60947-5-1	A	Cartridge fuse mounted upstream: 10
Cabling capacity for pushbuttons, switches, and pilot light	Conforming to EN/IEC 60947-1	mm ² mm ²	Screw clamp terminals (cross headedslotted screw) Mini: 1 x 0.22 Maxi: 2 x 1.5 Recommended tightening torque: 0.8 N.m (10 in-lbs)
Cabling capacity for Emergency stop pushbuttons	Conforming to EN/IEC 60947-1	mm ² mm ²	Screw clamp terminals (cross headedslotted screw) Mini: 1x0.34 Maxi: 2 x 1.5 Recommended tightening torque: 1.1 N.m (9.74 in-lbs)
Thermal current	Ith	A	10
Maximum operation current for pushbuttons, switches and pilot lights	a.c. supply: utilization category AC-15 NEMA A600	Contact making capacity	
		V	120 240 480 600
		A VA	60 30 15 12 7200 7200 7200 7200
	d.c. supply: utilization category DC-13 NEMA Q600	Breaking capacity	
		V	120 240 480 600
		A VA	6 3 1.5 1.2 720 720 720 720
d.c. supply: utilization category DC-13 NEMA Q600	Contact making capacity and breaking capacity		
	V	125 250 600	
	A	0.55 0.27 0.1	
Maximum operation current for Emergency stop pushbuttons	a.c. supply: utilization category AC-15 NEMA A300	Contact making capacity	
		V	120 240
		A VA	60 30 7200 7200
	d.c. supply: utilization category DC-13 NEMA P300	Breaking capacity	
		V	120 240
		A VA	6 3 720 720
d.c. supply: utilization category DC-13 NEMA P300	Contact making capacity and breaking capacity		
	V	125 250	
A	0.55 0.27		

Basic operators

(For accessories, see [page 28](#).)

Description	UL Types/NEMA Types - 4, 13
Digital license references	
Non-illuminated Pushbutton (Full Guard)	9001KR1
Non-illuminated Pushbutton (Extended Guard)	9001KR2
Non-illuminated Pushbutton (No Guard)	9001KR3
Non-illuminated Pushbutton (Mushroom Button/screw on)	9001KR20
Non-illuminated Dual Pushbutton (Momentary)	9001KR6
Non-illuminated Dual Pushbutton (Momentary Interlocked)	9001KR67
Non-illuminated Dual Pushbutton (Maintained Interlocked)	9001KR7
Momentary Pull - Maintained Neutral - Momentary Push	9001KR8 (1) (4)
Maintained Pull - Maintained Push	9001KR9 (1) (4)
Illuminated Pushbutton (Full Guard - Plastic Top)	9001K1L (2)
Illuminated Pushbutton and Push-to-test (No Guard)	9001K2L (2) (3)
Illuminated Pushbutton (Full Guard - Metal Top)	9001K3L (2)
Standard Pilot Light	9001KP
2-Position Selector Switch	9001KS1 (1), 9001KS2 (1), 9001KS3 (1)
3-Position Selector Switch	9001KS4 (1), 9001KS5 (1), 9001KS6 (1), 9001KS7 (1)
Emergency stop pushbutton	9001KR18, 9001SKR18, 9001KR18P, 9001SKR18P

(1) Operator can be converted to an illuminated operator by removing the liner (6509704901) and adding a light module.

(2) Operator can be converted to a non-illuminated operator by adding liner (6509704901).

(3) Operator includes jumper wires for push-to-test conversion.

(4) These operators can be supplied with 1-3/8" or 2-1/4" dia. mushroom buttons.

For 1-3/8": Add •20 to reference number. The • refers to the color chosen.

For 2-1/4": Add •21 to reference number. The • refers to the color chosen. Voids UL and NEMA Type 6 Rating.

Non hazardous locations



File E42259
CCN NKCR



File LR25490
Class 3211 03



Marking

Hazardous locations (reed contact blocks):



File E10054
CCN NOIV



File LR26817
Class 3218 02



Marking

9001K operator materials

Pushbutton and Push-to-test pilot light (9001KR and 9001KT)

Gasket – Nitrile

Seal – Nitrile

Seal Cap – Amorphous Acetal

Decorative Ring – Polyester Film

Compensating Washer – Polypropylene

Lock Ring – Amorphous Nylon

Stem – Thermoplastic Polyester

Base Cap – Thermoplastic Polyester

Knob – Polycarbonate

Liner – Polypropylene

Hold Down Spring for 9001K-15 – Neoprene

Operator Base – Zinc

Operator Base (9001KR8) – Polyester

9001K operator materials (continued)

Pushbutton and Push-to-test pilot light (9001KR and 9001KT) (continued)

Return Spring – Music Wire or Stainless Steel (9001KT only)

Ring Nuts – Aluminum or Zinc

Springkeeper – Steel

Locking Thrust Washer – Zinc

Color Insert – Polyethylene

Boots – Silicone

Selector switch (9001KS)

Gasket – Nitrile

Seal – Nitrile

Bearing Washer – Polyester Film

Compensating Washer – Polypropylene

Cam Follower – Delrin 100

Liner – Polypropylene

Knob – Polycarbonate

Cam Carrier – Amorphous Nylon

Cam Rotor – Celenex 3300

Cam Profile – Delrin 100

Operator Base – Zinc

Detent Spring – Stainless Steel

Ring Nuts – Aluminum or Zinc

Seal keeper – Stainless Steel

Locking Thrust Washer – Zinc

Pilot light (9001KP)

Gasket – Nitrile

Compensating Washer – Polypropylene

Lens – Glass or Polycarbonate

Light Module Housing – Thermoplastic Polyester

Operator Base – Zinc

Glass Lens Ring – Anodized Aluminum

Contact block and light module materials

Contact block (9001KA)

Housing – Amorphous Nylon

Contact Slider – Phenolic, Nylon or Acetal

Terminal – Steel

Saddle Clamp – Steel

Spring – Stainless Steel

Contacts – Silver and Copper

Blade – Beryllium Copper

Mounting Screw – Steel

Label – Paper

Light module (9001KM)

Housing – Thermoplastic Polyester

Socket – Steel

Terminal – Steel with Tin Plate

Saddle Clamp – Steel

Translating Pin – Polycarbonate

Transformer – Thermoplastic Polyester, Steel, Copper, Polyvinyl Chloride, Polytetrafluorethylene, Acetate, Paper

Lamp Spring – Tin Plated Music Wire

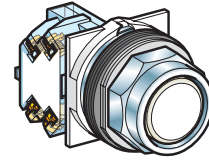
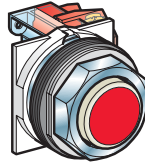
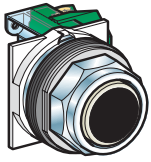
Control and signaling units Ø 30

Harmony 9001K & 9001SK range
 Pushbuttons, switches and pilot lights
 with chromium plated metal bezel
 Complete or pre-assembled units 9001K

Complete or pre-assembled units

Contact functions

Pushbuttons, spring return



Flush push

9001KR1●●● see [page 19](#)

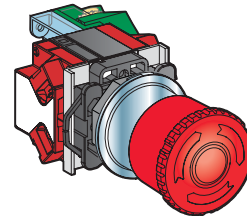
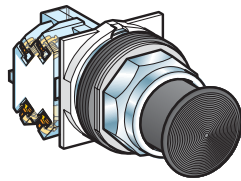
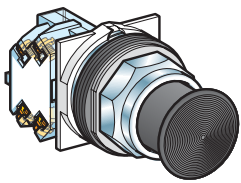
Projecting push

9001KR3●●● see [page 19](#)

Recessed push (high guard)

9001KR2●●● see [page 19](#)

Mushroom head pushbuttons



Spring return Ø 35/1.38 in., Ø 40/1.58 in., Ø 57/2.24 in., or Ø 60/2.36 in.

9001KR2●●H13 see [page 19](#)

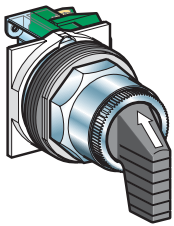
Latching Ø 35/1.38 in., Ø 40/1.58 in., Ø 41/1.61 in., Ø 57/2.24 in., or Ø 60/2.36 in.

9001KR●●● see [page 19](#)

Turn to release, trigger action (pre-assembled)

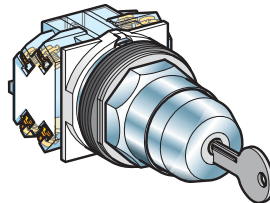
9001KR18 + 9001KES18RES● see [page 37](#)

Selector switches, key switches and joystick controllers



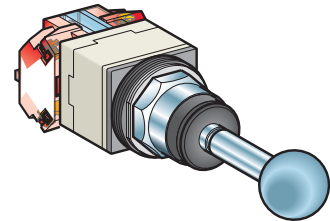
Selector switches, long black handle

9001KS●●FBH●● see [page 20](#)



Key switches

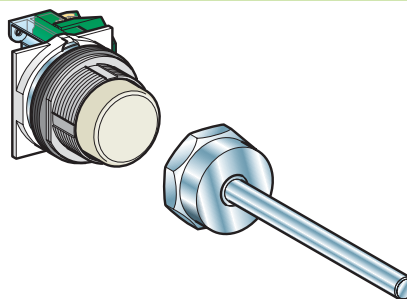
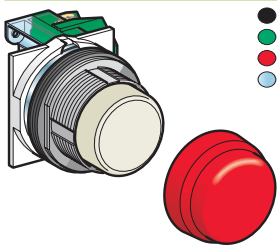
9001KS●●K●●● see [page 20](#)



Joystick controllers

9001K●●H● see [page 22](#)

Booted pushbuttons and wobblestick (with accessories)



Booted pushbuttons

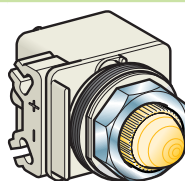
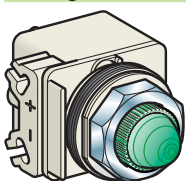
9001KR●●● + 9001KU● see [pages 18 and 28](#)

Wobblestick

9001KR●●● see [pages 18 and 28](#)

Light functions

Pilot lights



BA 9s base mounted super bright LED

9001KP●●● see [page 21](#)

BA 9s incandescent bulb

9001KP●●● see [page 21](#)

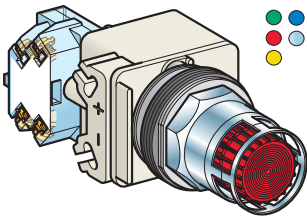
Control and signaling units Ø 30

Harmony 9001K & 9001SK range
 Pushbuttons, switches and pilot lights
 with chromium plated metal bezel
 Complete or pre-assembled units 9001K

Complete or pre-assembled units

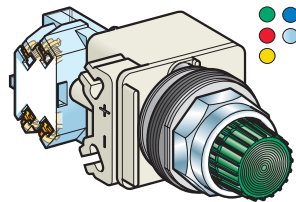
Combined contact and light functions

Illuminated pushbuttons, spring return



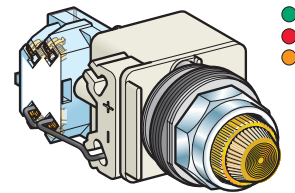
Flush push, super bright LED

9001K●L●●● see [page 21](#)



Projecting push

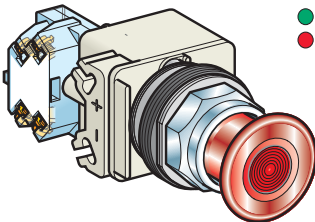
9001K2L●●● see [page 22](#)



"Push to test", projecting push, super bright LED

9001KT●●●31 see [page 23](#)

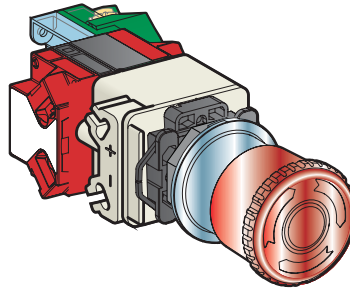
Ø 41/1.61 in. mushroom head illuminated pushbuttons, super bright LED



2-position, push-pull

9001KR9B●●● see [page 19](#)

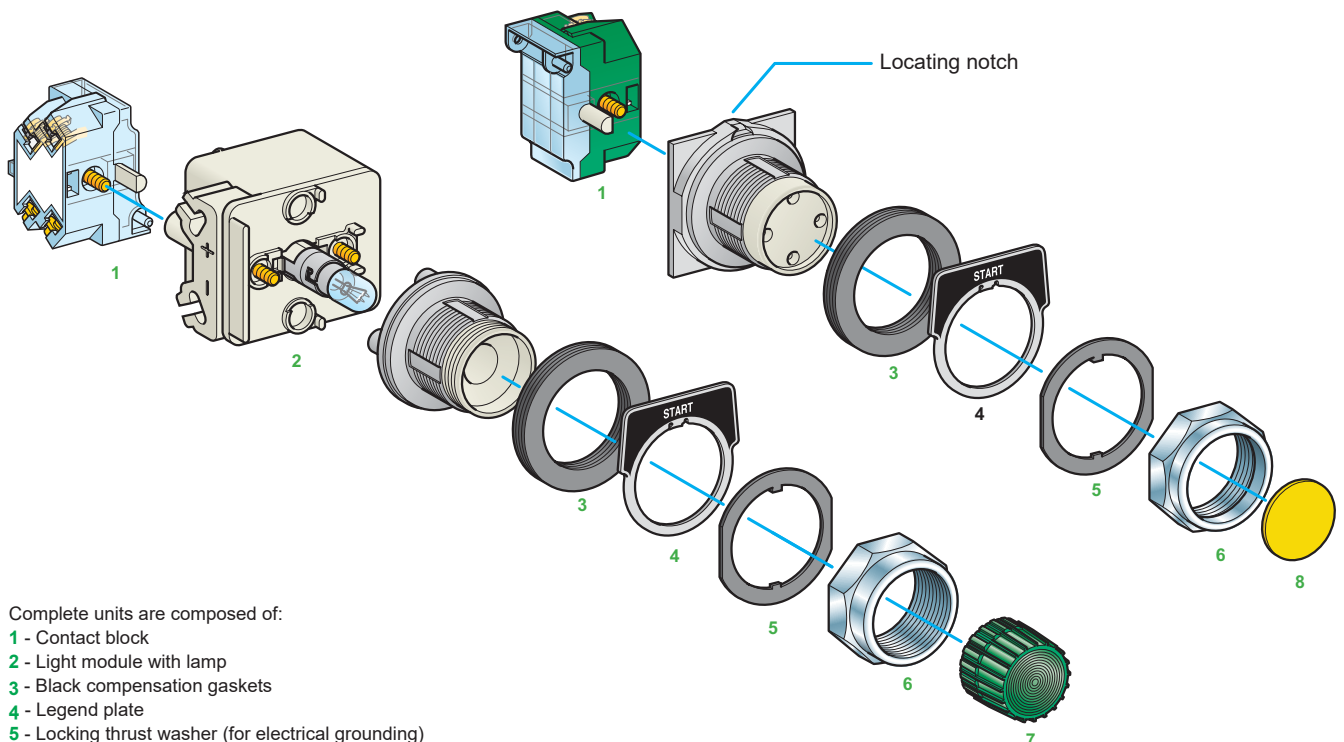
Ø 43.5/1.71 in. illuminated Emergency stop pushbuttons, super bright LED (pre-assembled)



Turn to release, trigger action (pre-assembled)

9001KR18P + 9001KES18P3●LRRES3 see [page 38](#)

Separate components and accessories



Complete units are composed of:

- 1 - Contact block
- 2 - Light module with lamp
- 3 - Black compensation gaskets
- 4 - Legend plate
- 5 - Locking thrust washer (for electrical grounding)
- 6 - Ring nut
- 7 - Color cap
- 8 - Color insert

Presentation:
[page 4](#)

References:
[page 18](#)

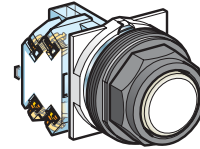
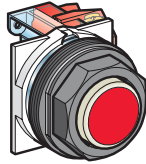
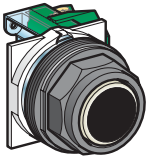
Control and signaling units Ø 30

Harmony 9001K & 9001SK range
 Pushbuttons, switches and pilot lights
 with double insulated bezel
 Complete or pre-assembled units 9001SK

Complete or pre-assembled units

Contact functions

Pushbuttons, spring return



Flush push

9001SKR1●●● see [page 25](#)

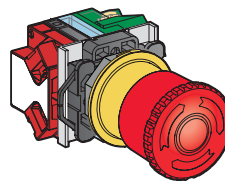
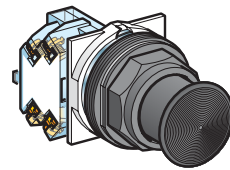
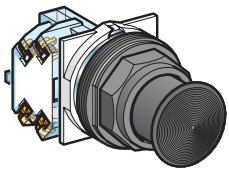
Projecting push

9001SKR3RH6 see [page 25](#)

Recessed push (high guard)

9001SKR2●●● see [page 25](#)

Mushroom head pushbuttons



Spring return Ø 35/1.38 in., or Ø 57/2.24 in.

9001SKR2●●H13 see [page 24](#)

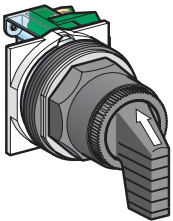
Latching Ø 35/1.38 in., Ø 41/1.61 in., or Ø 57/2.24 in.

9001SKR●●● see [page 24](#)

Turn to release, trigger action (pre-assembled)

9001SKR18 + 9001KES18RES● see [page 37](#)

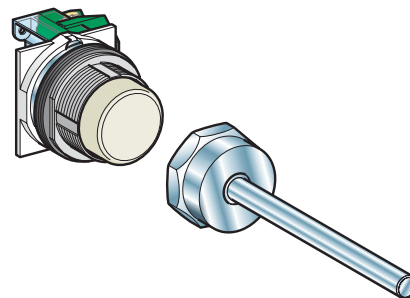
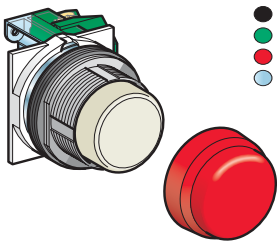
Selector switches



Selector switches, long black handle

9001SKS●●FB●● see [page 26](#)

Booted pushbuttons and wobblestick (with accessories)



Booted pushbuttons

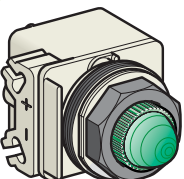
9001SKR●●● + 9001KU● see [pages 28 and 24](#)

Wobblestick

9001SKR●●● see [pages 28 and 24](#)

Light functions

Pilot lights



BA 9s base mounted super bright LED

9001SKP●●● see [page 26](#)

BA 9s incandescent bulb

9001SKP●●● see [page 26](#)

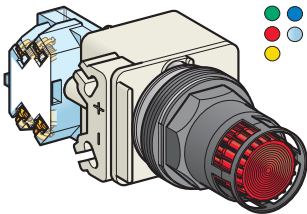
Control and signaling units Ø 30

Harmony 9001K & 9001SK range
 Pushbuttons, switches and pilot lights
 with double insulated bezel
 Complete or pre-assembled units 9001SK

Complete or pre-assembled units

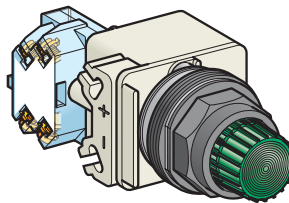
Combined contact and light functions

Illuminated pushbuttons, spring return



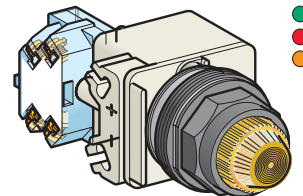
Flush push

9001SK1L●●● see [page 26](#)



Projecting push

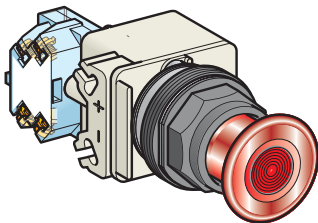
9001SK2L35LGG see [page 27](#)



"Push to test", projecting push

9001SKT●●●31 see [page 27](#)

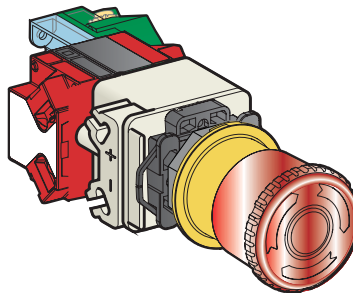
Ø 41/1.61 in. mushroom head illuminated pushbuttons



2-position, stay put

9001SKR9P3●LRR see [page 27](#)

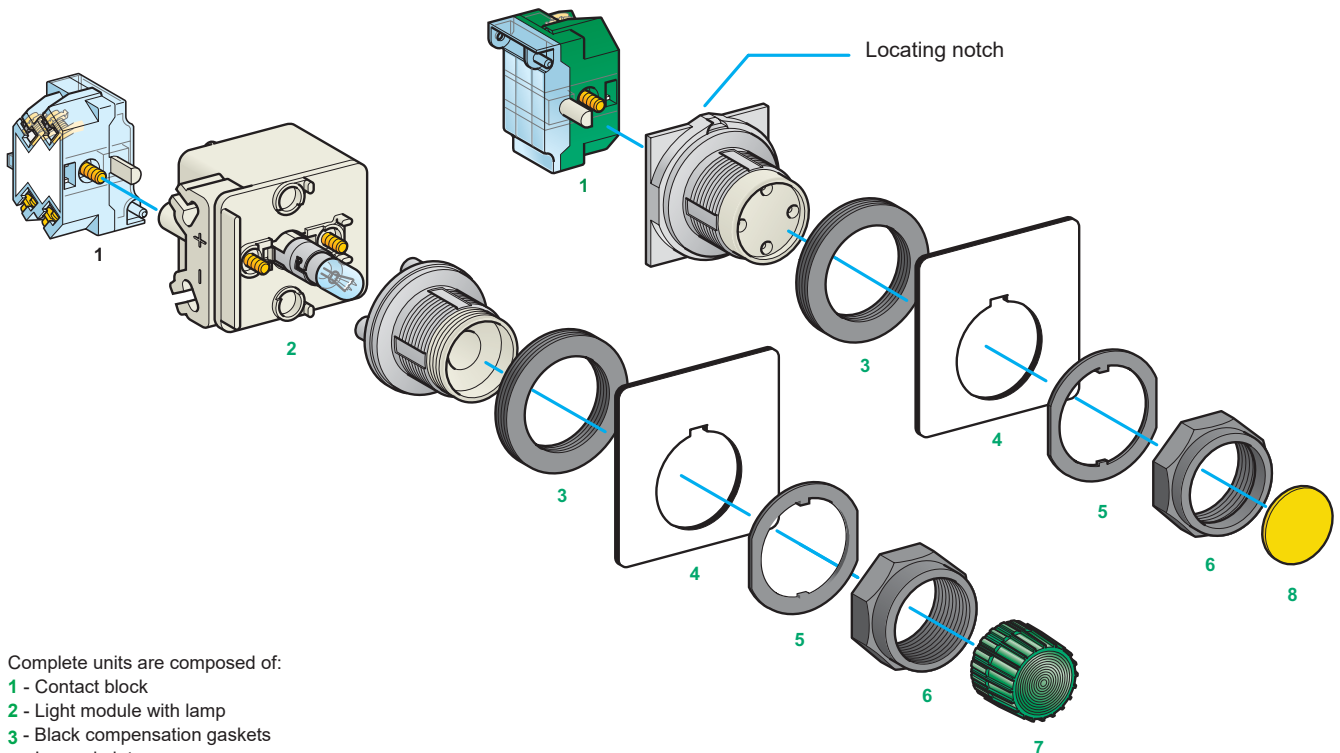
Ø 43.5/1.71 in. illuminated Emergency stop pushbuttons (pre-assembled)



Turn to release, trigger action (pre-assembled)

9001SKR18P + 9001KES18P3●LRRES3 see [page 38](#)

Separate components and accessories



Complete units are composed of:

- 1 - Contact block
- 2 - Light module with lamp
- 3 - Black compensation gaskets
- 4 - Legend plate
- 5 - Locking thrust washer (for electrical grounding)
- 6 - Ring nut
- 7 - Color cap
- 8 - Color insert

Presentation:
[page 4](#)

References:
[page 24](#)

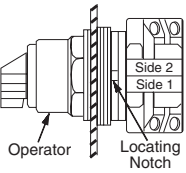
Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Emergency stop pushbuttons with chromium plated metal bezel or double insulated bezel

Selector switches

2-Position Selector Switches

Contact Block Required			1 — Contact Closed 0 — Contact Open			
Contact Block Position	Quantity and Type KA1 or KA2 or KA3	Mount on Side KA1 or KA2 or KA3	Left		Right	
			Left	Right	Left	Right
 <p>Top View</p>	KA1 or KA3	KA1 #2 or KA3 #2	1	0	0	1
	KA2	KA2 #2	0	1	1	0
	KA1 or KA3	KA1 #1 or KA3 #1	1	0	0	1
	KA2	KA2 #1	0	1	1	0
Cam			E		D	

Non-Illuminated Operators

Manual Return (1), Operator Only (without contact blocks)	Reference	Reference
Without Knob	9001KS11	9001KS12
With Knob (select style and color from table below)	9001KS11	9001KS12
Key Operated with E10 Key (Code 1,2,3)	9001KS11K	9001KS12K
Operator with Contact Blocks and Standard black knob	Reference	Reference
With 1 KA1 on Side #2	9001KS11BH13	—
With 1 KA1 on Side #1	9001KS11BH1	—
With 1 KA1 on Side #1 and 1 KA1 on side #2	9001KS11BH2	—
Spring Return from Left (1), Operator Only (without contact blocks)	Reference	Reference
Without Knob	9001KS25	—
With Knob (select style and color from table below)	9001KS25	—
Key Operated with E10 Key (Code 2 only) (4)	9001KS25K2★	—
Spring Return from Right (1), Operator Only (without contact blocks)	Reference	Reference
Without Knob	—	9001KS34
With Knob (select style and color from table below)	—	9001KS34
Key Operated with E10 Key (Code 1 only)	—	9001KS34K1

Illuminated Operators

Manual Return (1), Operator Only (without contact blocks)	Reference	Reference
Without Knob, 110-120V 50-60 Hz Transformer	9001K11J1	9001K12J1
With Standard Red Knob, 110-120V 50-60 Hz Transformer	9001K11J1R	9001K12J1R
With Other Color Knob and other voltage Light Module (2) (3)	9001K11J■◆	9001K12J■◆
Spring Return from Left (1), Operator Only (without contact blocks)	Reference	Reference
Without Knob, 110-120V 50-60 Hz Transformer	9001K25J1	—
With Standard Red Knob, 110-120V 50-60 Hz Transformer	9001K25J1R	—
With Other Color Knob and other voltage Light Module (2) (3)	9001K25J■◆	—
Spring Return from Right (1), Operator Only (without contact blocks)	Reference	Reference
Without Knob, 110-120V 50-60 Hz Transformer	—	9001K34J1
With Standard Red Knob, 110-120V 50-60 Hz Transformer	—	9001K34J1R
With Other Color Knob and other voltage Light Module (2) (3)	—	9001K34J■◆

(1) These operators can be ordered complete with contact blocks. Add the "H code" as needed for your application.

(2) Replace ■ with the voltage assembly code.

(3) Replace ◆ with the knob color code as chosen from the table below. For LED, knob color must match LED.

(4) Replace ★ with the key withdrawal code from the table below right.

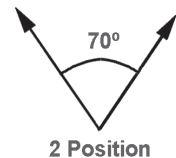
Selector Switch Assembly Code and Knob Cat. No.

Color	Standard Knob		Gloved Hand Knob	
	◆ Knob Code	Reference	◆ Knob Code	Reference
Black	B	B11	FB	B25
Red	R	R8	FR	R24
Green	G	G8	FG	G24
Yellow	Y	Y8	FY	Y24
Blue	L	L8	FL	L24
White	W	W8	FW	W24
Amber	A	A8	FA	A24
Clear	C	C8	FC	C24

To select and order accessories, see page 28.

Key Withdrawal Codes

★ Code	Position
1	Left Only
2	Right Only
3	Left and Right



Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Emergency stop pushbuttons with chromium plated metal bezel or double insulated bezel

Selector switches

3-Position Selector Switches

Contact Block Required			1 — Contact Closed 0 — Contact Open														
Contact Block Position	Quantity and Type	Mount on Side	Center		Center		Center		Center		Center		Center		Center		
			Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	
<p>Top View</p>	KA1 or KA3	KA1 or KA3 #2	1	0	0	1	0	0	0	0	1	1	0	0	0	0	
	KA2	KA2 #2	0	1	1	0	0	1	0	1	0	0	0	1	0	0	1
	KA1 or KA3	KA1 or KA3 #1	0	0	1	1	0	0	0	0	1	0	0	0	1	1	0
	KA2	KA2 #1	1	1	0	0	0	1	0	0	1	0	0	0	1	0	0
Cam			B	C	D	E	F	G	J	L	M						

Non-Illuminated Operators. When ordering, add prefix "9001" to the reference

Manual Return, Operator Only (without contact blocks) (1)										
Without Knob	KS42	KS43	KS44	KS45	KS46	KS47	KS49	KS401	KS402	
With Knob (3)	KS42♦	KS43♦	KS44♦	KS45♦	KS46♦	KS47♦	KS49♦	KS401♦	KS402♦	
Key Operated with E10 Key (Code 4 through 10) (5)	KS42K●	KS43K●	KS44K●	KS45K●	KS46K●	KS47K●	KS49K●	KS401K●	KS402K●	
Operator with Contact Blocks and Standard black knob (4)										
With 1 KA1 on Side #2 (H13)	KS42BH13	KS43BH13	KS44BH13	KS45BH13	KS46BH13	KS47BH13	KS49BH13	KS401BH13	KS402BH13	
With 1 KA1 on Side #1 (H1)	KS42BH1	KS43BH1	KS44BH1	KS45BH1	KS46BH1	KS47BH1	KS49BH1	KS401BH1	KS402BH1	
With 1 KA1 on Side #1 and 1 KA1 on side #2 (H2)	KS42BH2	KS43BH2	KS44BH2	KS45BH2	KS46BH2	KS47BH2	KS49BH2	KS401BH2	KS402BH2	
Spring Return from Left to Center, Operator Only (without contact blocks) (1)										
Without Knob	KS62	KS63	KS64	KS65	KS66	KS67	KS69	KS601	KS602	
With Knob (3)	KS62♦	KS63♦	KS64♦	KS65♦	KS66♦	KS67♦	KS69♦	KS601♦	KS602♦	
Key Operated with E10 Key (Code 5, 6 or 9 only) (5)	KS62K●	KS63K●	KS64K●	KS65K●	KS66K●	KS67K●	KS69K●	KS601K●	KS602K●	
Spring Return from Right to Center, Operator Only (without contact blocks) (1)										
Without Knob	KS72	KS73	KS74	KS75	KS76	KS77	KS79	KS701	KS702	
With Knob (3)	KS72♦	KS73♦	KS74♦	KS75♦	KS76♦	KS77♦	KS79♦	KS701♦	KS702♦	
Key Operated with E10 Key (Code 4, 5 or 7 only) (5)	KS72K●	KS73K●	KS74K●	KS75K●	KS76K●	KS77K●	KS79K●	KS701K●	KS702K●	
Spring Return from Both Sides to Center, Operator Only (without contact blocks) (1)										
Without Knob	KS52	KS53	KS54	KS55	KS56	KS57	KS59	KS501	KS502	
With Knob (3)	KS52♦	KS53♦	KS54♦	KS55♦	KS56♦	KS57♦	KS59♦	KS501♦	KS502♦	
Key Operated with E10 Key (Code 4, 5 or 7 only) (5)	KS52K●	KS53K●	KS54K●	KS55K●	KS56K●	KS57K●	KS59K●	KS501K●	KS502K●	

Illuminated Operators

Manual Return, Operator Only (without contact blocks) (1)										
Without Knob, 110-120V 50-60 Hz Transformer	K42J1	K43J1	K44J1	K45J1	K46J1	K47J1	K49J1	K401J1	K402J1	
With Standard Red Knob, 110-120V 50-60 Hz Transformer	K42J1R	K43J1R	K44J1R	K45J1R	K46J1R	K47J1R	K49J1R	K401J1R	K402J1R	
With Other Color Knob and other voltage Light Module (2) (3)	K42J■♦	K42J■♦	K44J■♦	K45J■♦	K46J■♦	K47J■♦	K49J■♦	K401J■♦	K402J■♦	
Spring Return from Left to Center, Operator Only (without contact blocks) (1)										
Without Knob, 110-120V 50-60 Hz Transformer	K62J1	K63J1	K64J1	K65J1	K66J1	K67J1	K69J1	K601J1	K602J1	
With Standard Red Knob, 110-120V 50-60 Hz Transformer	K62J1R	K63J1R	K64J1R	K65J1R	K66J1R	K67J1R	K69J1R	K601J1R	K602J1R	
With Other Color Knob and other voltage Light Module (2) (3)	K62J■♦	K62J■♦	K64J■♦	K65J■♦	K66J■♦	K67J■♦	K69J■♦	K601J■♦	K602J■♦	
Spring Return from Right to Center, Operator Only (without contact blocks) (1)										
Without Knob, 110-120V 50-60 Hz Transformer	K72J1	K73J1	K74J1	K75J1	K76J1	K77J1	K79J1	K701J1	K702J1	
With Standard Red Knob, 110-120V 50-60 Hz Transformer	K72J1R	K73J1R	K74J1R	K75J1R	K76J1R	K77J1R	K79J1R	K701J1R	K702J1R	
With Other Color Knob and other voltage Light Module (2) (3)	K72J■♦	K72J■♦	K74J■♦	K75J■♦	K76J■♦	K77J■♦	K79J■♦	K701J■♦	K702J■♦	
Spring Return from Both Sides to Center, Operator Only (without contact blocks) (1)										
Without Knob, 110-120V 50-60 Hz Transformer	K52J1	K53J1	K54J1	K55J1	K56J1	K57J1	K59J1	K501J1	K502J1	
With Standard Red Knob, 110-120V 50-60 Hz Transformer	K52J1R	K53J1R	K54J1R	K55J1R	K56J1R	K57J1R	K59J1R	K501J1R	K502J1R	
With Other Color Knob and other voltage Light Module (2) (3)	K52J■♦	K53J■♦	K54J■♦	K55J■♦	K56J■♦	K57J■♦	K59J■♦	K501J■♦	K502J■♦	

(1) These operators can be ordered complete with contact blocks. Add the "H code" as needed for your application.

(2) Replace ■ with the voltage assembly code.

(3) Replace ♦ with the knob color code as chosen from the table below. For LED, knob color must match LED.

(4) For other color knobs replace the B with knob color code from table below.

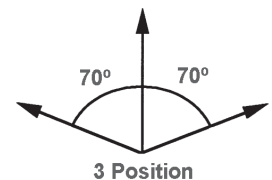
(5) Replace ● with the key withdrawal code from table below right. Example: KS43K● with key withdrawal in the right position only = KS43K6.

Selector Switch Assembly Code and Knob Cat. No.

Color	Standard Knob		Gloved Hand Knob	
	♦ Knob Code	Reference	♦ Knob Code	Reference
Black	B	B11	FB	B25
Red	R	R8	FR	R24
Green	G	G8	FG	G24
Yellow	Y	Y8	FY	Y24
Blue	L	L8	FL	L24
White	W	W8	FW	W24
Amber	A	A8	FA	A24
Clear	C	C8	FC	C24

Key Withdrawal Codes

● Code	Position
4	Left Only
5	Center Only
6	Right Only
7	Left and Center
8	Left and Right
9	Center and Right
10	Left, Center, and Right



Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Emergency stop pushbuttons with chromium plated metal bezel or double insulated bezel

Selector switches

4-Position Selector Switches

Contact Block Required			1 — Contact Closed 0 — Contact Open		
Contact Block Position	Quantity and Type KA1 or KA2 or KA3	Mount on Side KA1 or KA2 or KA3			
<p>Top View</p>	KA1 	or	KA3 	KA1 #2 or KA3 #2	1 0 0 0
			KA2 	KA2 #2	0 0 1 0
	KA1 	or	KA3 	KA1 #1 or KA3 #1	0 0 0 1
			KA2 	KA2 #1	0 1 0 0

Cam H

Non-Illuminated Operators

Manual Return (1), Operator Only (without contact blocks)	Reference
Without Knob	9001KS88
With Knob (3)	9001KS88◆
Key Operated with E10 Key (Codes 11, 12, 13, 14, 15) (4)	9001KS88K★

Illuminated Operators

Manual Return (1), Operator Only (without contact blocks)	Reference
Without Knob, 110-120V 50-60 Hz Transformer	9001KS88J1
With Standard Red Knob, 110-120V 50-60 Hz Transformer	9001KS88J1R
With Other Color Knob and other voltage Light Module (2) (3)	9001KS88J■◆

(1) These operators can be ordered complete with contact blocks. Add the "H code" as needed for your application.

(2) Replace ■ with the voltage assembly code.

(3) Replace ◆ with the knob color code as chosen from the table below. For LED, knob color must match LED.

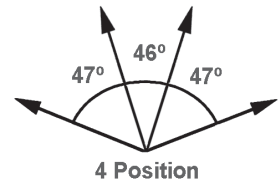
(4) Replace ★ with the key withdrawal code from the table below right.

Selector Switch Assembly Code and Knob Cat. No.

Color	Standard Knob		Gloved Hand Knob	
	◆ Knob Code	Reference	◆ Knob Code	Reference
Black	B	B11	FB	B25
Red	R	R8	FR	R24
Green	G	G8	FG	G24
Yellow	Y	Y8	FY	Y24
Blue	L	L8	FL	L24
White	W	W8	FW	W24
Amber	A	A8	FA	A24
Clear	C	C8	FC	C24

Key Withdrawal Codes

★ Code	Position
11	1 and 4
12	4 only
13	1 only
14	1, 2, 3, and 4
15	2, 3, and 4



Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Emergency stop pushbuttons with chromium plated metal bezel or double insulated bezel

Selector switches

Potentiometers with Dial Plate (not UL listed). Maximum Voltage 300 V ~



Power	Ratings	Description	Reference
2 W	NEMA 4, 13	Operator Only, for Single Potentiometer	9001K20
		Operator with Single Potentiometer	9001K210
		Operator Only, for Tandem Potentiometer	9001K22

Potentiometer suffixes

Single Potentiometer

Suffix (1)	Resistance	Suffix (1)	Resistance
01	50 Ω	07	5 kΩ
02	100 Ω	08	10 kΩ
04	500 Ω	09	25 kΩ
05	1 kΩ	13	500 kΩ
39	2 kΩ	37	750 kΩ
06	2.5 kΩ	14	1 MΩ

Tandem Potentiometer

Suffix (1)	Resistance Front	Rear
82	1 kΩ	1 kΩ

(1) For the complete reference, add the suffix from Suffix column to the reference from Reference column in "Potentiometer with Dial Plate" table above.
Example: 9001K2105.

Any potentiometer with a shaft 7/8" long and 1/4" diameter may be used with these operators. To select and order accessories, see [page 28](#).

Harmony 9001K Metal range

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

with chromium plated metal bezel

Complete units 9001K, with screw clamp terminals



9001KR1GH5



9001KR1UH5






9001KR2UH13





9001KR25BH13

Pushbuttons, spring return

Shape of head	Type of push	Type of contact			Color	Reference	Weight kg/lb
		NO	NC	CO			
	Flush	1	–	–	Black	9001KR1BH5	0.121/0.267
		–	–	–	Green	9001KR1GH5	0.121/0.267
		–	–	1	Black	9001KR1BH13	0.121/0.267
		–	–	1	Green	9001KR1GH13	0.121/0.267
		–	–	1	Red	9001KR1RH13	0.121/0.267
	Projecting	1	–	–	Multi-color	9001KR1UH5 (1)	0.121/0.267
		–	1	–	Red	9001KR3RH6	0.128/0.282
		–	–	1	Multi-color	9001KR3UH13 (1)	0.128/0.282
		1	–	–	Multi-color	9001KR3UH5 (1)	0.128/0.282
		1	–	–	Green	9001KR2GH5	0.136/0.300
	Recessed (high guard)	–	–	1	Multi-color	9001KR2UH13 (1)	0.136/0.300
		1	–	–	Multi-color	9001KR2UH5 (1)	0.136/0.300

Mushroom head pushbuttons

Shape of head	Type of push	Diameter mm/in.	Type of contact			Color	Head material	Reference	Weight kg/lb
			NO	NC	CO				
	Spring return	Ø 35/1.38 Screw-in with set screw security	–	–	1	Black	Plastic	9001KR24BH13	0.126/0.278
		Ø 40/1.58 Screw-in with set screw security (2)	–	–	–	Black	Metal	9001KR24BM	0.141/0.311
		Ø 57/2.24 Screw-in with set screw security	–	–	1	Black	Plastic	9001KR25BH13	0.132/0.291
		Ø 60/2.36 Screw-in with set screw security (2)	–	–	–	Black	Metal	9001KR25BM	0.150/0.331
		–	–	–	Green	Metal	9001KR25GM	0.150/0.331	
	3 positions: Push-pull (maintained center position)	Ø 41/1.61	–	2	–	Black	Plastic	9001KR8BH25	0.195/0.430
		Ø 40/1.58 Screw-in with set screw security (2)	–	–	–	Black	Metal	9001KR9BM94	0.141/0.311
		Ø 41/1.61 Screw-in with set screw security	–	–	1	Black	Plastic	9001KR9BH13	0.141/0.311

(1) Supplied with 7 different colored caps: black, green, red, yellow, blue, white and orange, ready for clipping-in.

(2) Supplied without contact block. To order contact blocks, see [page 28](#).

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

with chromium plated metal bezel

Complete units 9001K, with screw clamp terminals

Selector switches and key switches (For information on contact actuation sequence, please refer to our site www.se.com)



9001KS43FB



Long handle, black

Shape of head	Mount on side	Contact block (order separately)	Contact status 1 - closed 0 - open	Number and type of positions	Reference	Weight kg/lb
Long handle, black	1 or 2	9001KA2		2 stay put		9001KS11FB 0.172/0.379
	1	9001KA1		3 stay put		9001KS43FB 0.172/0.379
	1 or 2	9001KA1		3 stay put		9001KS46FB 0.172/0.379
	1 or 2	9001KA1		3 spring return from left to center		9001KS63FB 0.172/0.379
	1 or 2	9001KA1		3 spring return to center		9001KS53FB 0.172/0.379
	Side 2	9001KA1		4 stay put		9001KS88FB 0.172/0.379
	Side 1	9001KA1				
Key 455	1 or 2	9001KA2		2 stay put		9001KS11K1R 0.207/0.456
	1 or 2	9001KA1		2 stay put		9001KS11K1R 0.207/0.456
	1 or 2	9001KA1		2 stay put		9001KS11K3R 0.207/0.456
	1 or 2	9001KA1		3 stay put		9001KS43K5R 0.234/0.516



9001KS11K1R



Key 455

For E 10 key, remove R from reference.

Ex: 9001KS11K1R: Key 455
9001KS11K1: E10 key



Key (E10)

Note : Other contact configurations are available. Please contact our Customer Care Centre.

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

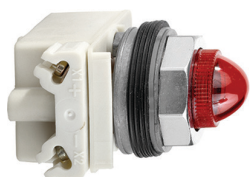
Pushbuttons, switches and pilot lights

with chromium plated metal bezel

Complete units 9001K, with screw clamp terminals



9001KP35LLL9



9001KP38R9



9001KP1G9

Pilot lights with BA 9s base mounted (super bright LED, included)

Shape of head	Supply voltage V	Color	Reference	Weight kg/lb
	24 ~	Green	9001KP35LGG9	0.134/0.295
		Red	9001KP35LRR9	0.134/0.295
		Amber	9001KP35LYA9	0.134/0.295
		Blue	9001KP35LLL9	0.134/0.295
		White	9001KP35LWW9	0.134/0.295
	120 ~	Green	9001KP38LGG9	0.134/0.295
		Red	9001KP38LRR9	0.134/0.295
		Amber	9001KP38LYA9	0.134/0.295
		Blue	9001KP38LLL9	0.134/0.295
		White	9001KP38LWW9	0.134/0.295

Pilot lights with BA 9s, incandescent bulb (bulb included)

Shape of head	Supply	Supply voltage V	Color	Reference	Weight kg/lb
	Direct supply for BA 9s bulb (included)	24 ~	Green	9001KP35G9	0.134/0.295
			Red	9001KP35R9	0.134/0.295
			Blue	9001KP35L9	0.134/0.295
	Via integral transformer for BA 9s 6 V bulb (included)	120 ~	Green	9001KP1G9	0.210/0.463
			Red	9001KP1R9	0.210/0.463
	Via integral transformer for BA 9s 6 V bulb (included)	230 ~	Green	9001KP7G9	0.210/0.463
			Red	9001KP7R9	0.210/0.463
			Amber	9001KP7A9	0.210/0.463

Illuminated pushbuttons, spring return, push-push (super bright LED, included)

Shape of head	Description supply	Type of contact	Supply voltage V	Color	Reference	Weight kg/lb			
	BA 9s base mounted LED (included)	1	24 ~	Red	9001K3L35LRRH13	0.175/0.386			
				Green	9001K3L35LGGH13	0.175/0.386			
				Amber	9001K3L35LYAH13	0.175/0.386			
			120 ~	Red	9001K3L38LRRH13	0.175/0.386			
				Green	9001K3L38LGGH13	0.175/0.386			
				Amber	9001K3L38LYAH13	0.175/0.386			
	Direct supply for BA 9s incandescent bulb (included)	1	24 ~	Red	9001K3L35RH13	0.175/0.386			
				Green	9001K3L35GH13	0.175/0.386			
			120 ~	Green	9001K3L38GH13	0.175/0.386			
				Via integral transformer for BA 9s 6 V incandescent bulb (included)	1	120 ~	Red	9001K3L1RH13	0.250/0.551
						Green	9001K3L1GH13	0.250/0.551	
				230 ~	Green	9001K3L7GH13	0.250/0.551		

Extended metallic guard



9001K3L35LRRH13



9001K1L35LGGH13

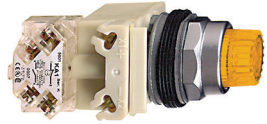
Full guard in plastic

	BA 9s base mounted (included)	1	24 ~	Green	9001K1L35LGGH13	0.166/0.366
			120 ~	Red	9001K1L38LRRH13	0.166/0.366
				Green	9001K1L38LGGH13	0.166/0.366

Control and signaling units Ø 30


Harmony 9001K & 9001SK range
 Pushbuttons, switches and pilot lights
 with chromium plated metal bezel
 Complete units 9001K, with screw clamp terminals


Illuminated pushbuttons, spring return, projecting push



9001K2L38LYAH13

Shape of head	Type of contact			Supply voltage V	Color	Reference	Weight kg/lb
	NO late break	NC	CO				


BA 9s base mounted LED (included)							
	-	-	1	24 ~	Red	9001K2L35LRRH13	0.166/0.366
	-	-	-	-	Green	9001K2L35LGGH13	0.166/0.366
	-	-	-	-	Amber	9001K2L35LYAH13	0.166/0.366
	-	-	1	120 ~	Red	9001K2L38LRRH13	0.166/0.366
	-	-	-	-	Green	9001K2L38LGGH13	0.166/0.366
	-	-	-	-	Amber	9001K2L38LYAH13	0.166/0.366

Direct supply for BA 9s incandescent bulb (included)							
	-	-	1	24 ~	Red	9001K2L35RH13	0.166/0.366
	-	-	-	-	Green	9001K2L35GH13	0.166/0.366
	-	-	-	-	Blue	9001K2L35LH13	0.166/0.366
-	-	1	120 ~	Green	9001K2L38GH13	0.166/0.366	

Joystick controllers (80 mm/3.15 in. long operating shaft)



9001K31

Shape of head	Description	Type of contact			Direction	Reference	Weight kg/lb
		NO	NC	CO			
	3 positions spring return	-	2	-	(A) ↑ ○ ↓ (B)	9001K31H8	0.372/0.820
		Order contacts separately				9001K31	0.372/0.820
		2	-	-	(A) ← ○ → (B)	9001K71H7	0.372/0.820
		Order contacts separately				9001K71	0.372/0.820
	5 positions spring return	-	-	2	(D) ↑ ○ ↓ (C)	9001K35H2	0.372/0.820
		Order contacts separately			(A) ← ○ → (B)	9001K35	0.372/0.820
	3 positions stay put	Order contacts separately			(A) ↑ ○ ↓ (B)	9001K73	0.372/0.820
	5 positions spring return with latch (1)	Order contacts separately			(D) ↑ ○ ↓ (C)	9001K34	0.372/0.820

(1) Latch button must be depressed before joystick will operate.

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

with chromium plated metal bezel

Complete units 9001K, with screw clamp terminals



9001KR11UH1H1

Mechanically interlocked pushbuttons							
Shape of head	Type of push	Type of contact			Color	Reference	Weight kg/lb
		NO l. break	NO	CO			
	Both maintained	-	-	1	Multi-color	9001KR11UH1H1 (1)	0.540/1.190

Illuminated "Push to test" pushbuttons, spring return (super bright LED, included)								
Shape of head of push	Type of push	Type of contact			Supply voltage V	Color	Reference	Weight kg/lb
		NO l. break	NO	CO				

Direct supply							
Shape of head of push	Type of push	Type of contact	Supply voltage V	Color	Reference	Weight kg/lb	
	Projecting push	1	-	24 ~	Green	9001KT35LGG31	0.235/0.518
					Red	9001KT35LRR31	0.235/0.518
					Amber	9001KT35LYA31	0.235/0.518
		1	-	120 ~	Green	9001KT38LGG31	0.235/0.518
					Red	9001KT38LRR31	0.235/0.518
					Amber	9001KT38LYA31	0.235/0.518



9001KT35LRR31

Illuminated selector switches with long handle (super bright LED, included)									
Shape of head	Supply	Mount on side	Contact block (2)	Contact status 1 - closed 0 - open	Supply voltage V	Number and type of positions	Color	Reference	Weight kg/lb
	Supplied with 24 V light module (super bright LED)	1 or 2	9001KA2		24 ~	2 stay put	Green	9001K11J35LGFG	0.245/0.540



9001K11J35LGFG

(1) Supplied with 7 different colored caps: black, green, red, yellow, blue, white and orange, ready for clipping-in.
 (2) Order and install listed contact block for noted contact sequence. Other contact sequences are available.
 Please contact our Customer Care Centre.

Harmony 9001SK Plastic range

Control and signaling units Ø 30





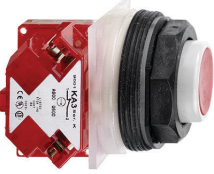
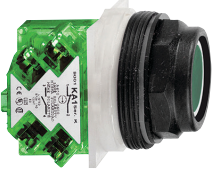
Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

with double insulated bezel

Complete units 9001SK, with screw clamp terminals

Pushbuttons, spring return

Shape of head	Type of push	Type of contact			Color	Reference	Weight kg/lb		
		NO	NC	CO					
	Flush		1	-	-	Black	9001SKR1BH5	0.086/0.190	
						Green	9001SKR1GH5	0.086/0.190	
			-	-	-	1	Black	9001SKR1BH13	0.086/0.190
							Green	9001SKR1GH13	0.086/0.190
							Red	9001SKR1RH13	0.086/0.190
							Multi-color	9001SKR1UH13 (1)	0.086/0.190
	1	-	-	-	Multi-color	9001SKR1UH5 (1)	0.086/0.190		
	Projecting	-	1	-	Red	9001SKR3RH6	0.070/0.154		
			Recessed (high guard)	1	-	-	Green	9001SKR2GH5	0.090/0.198
-	-			1	Multi-color	9001SKR2UH13 (1)	0.090/0.198		

(1) Supplied with 7 different colored caps: black, green, red, yellow, blue, white and orange, ready for clipping-in.

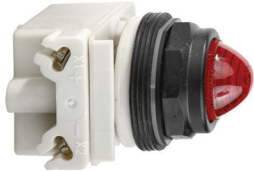
Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

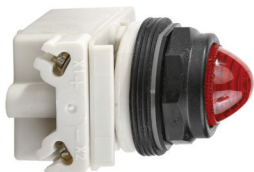
with double insulated bezel

Complete units 9001SK, with screw clamp terminal



9001SKP35LRR9

Pilot lights with BA 9s base mounted (super bright LED included)					
Shape of head		Supply voltage V	Color	Reference	Weight kg/lb
		≈ 24	Green	9001SKP35LGG9	0.082/0.181
			Red	9001SKP35LRR9	0.082/0.181
			Amber	9001SKP35LYA9	0.082/0.181
			White	9001SKP35LWW9	0.082/0.181
		≈ 120	Green	9001SKP38LGG9	0.082/0.181
			Red	9001SKP38LRR9	0.082/0.181
			Amber	9001SKP38LYA9	0.082/0.181
			White	9001SKP38LWW9	0.082/0.181



9001SKP32R9

Pilot lights with BA 9s, incandescent bulb (bulb included)					
Shape of head	Supply	Supply voltage V	Color	Reference	Weight kg/lb
	Direct supply for BA 9s bulb (included)	12 ≈	Green	9001SKP32G9	0.082/0.181
			Red	9001SKP32R9	0.082/0.181
			Amber	9001SKP32A9	0.082/0.181
			Via integral transformer for BA 9s 6 V bulb (included)	24 ≈	Green
120 ≈	Green			9001SKP38G9	0.082/0.181
	Green			9001SKP1G9	0.181/0.399
	Red			9001SKP1R9	0.181/0.399
	Amber	9001SKP1A9	0.181/0.399		



9001SKS43FB

Selector switches (For information on contact actuation sequence, please refer to our site www.se.com)									
Shape of head	Mount on side	Contact block (order separately)	Contact status 1 - closed 0 - open	Number and type of positions	Reference	Weight kg/lb			
	Long handle, black	9001KA2		2 stay put	9001SKS11FB	0.059/0.130			
					9001KA1		3 stay put	9001SKS43FB	0.059/0.130
					9001KA1		3 spring return to center	9001SKS53FB	0.059/0.130



9001SK1L35LGG

Illuminated pushbuttons, spring return, flush push (super bright LED included)						
Shape of head	Supply	Type of contact	Supply voltage V	Color	Reference	Weight kg/lb
	BA 9s base mounted		(1)	24 ≈	Green	9001SK1L35LGG
			(1)	120 ≈	Green	9001SK1L38LGG

(1) Please order the contact block separately.

Control and signaling units Ø 30




Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

with double insulated bezel

Complete units 9001SK, with screw clamp terminal

Illuminated pushbuttons, spring return, projecting push

Shape of head	Type of contact	Supply voltage V	Color	Reference	Weight kg/lb
	 NO late break  NC  CO				




BA 9s base mounted LED (included)

	-	-	-	24 ~	Green	9001SK2L35LGG	0.181/0.399
	Order contact block separately						




9001SK2L35LGG

Illuminated mushroom head pushbuttons (super bright LED, included)

Shape of head	Diameter mm/in.	Supply voltage V	Type of contact	Color	Reference	Weight kg/lb
			 NO l.break  NO  CO			




2 position stay put pushbuttons

	Ø 41/1.61	24 ~	Order contact block separately	Red	9001SKR9P35LRR	0.226/0.498
		120 ~	Order contact block separately	Red	9001SKR9P38LRR	0.226/0.498



9001SKR9P35LRR

Illuminated "Push to test" pushbuttons, spring return, projecting push (super bright LED included)

Shape of head	Supply voltage V	Type of contact	Color	Reference	Weight kg/lb
		 NO l.break  NO  CO			

Direct supply

	24 ~	-	-	1	Green	9001SKT35LGG31	0.195/0.430
					Red	9001SKT35LRR31	0.195/0.430
					Amber	9001SKT35LYA31	0.195/0.430
	120 ~	-	-	1	Green	9001SKT38LGG31	0.195/0.430
					Red	9001SKT38LRR31	0.195/0.430
					Amber	9001SKT38LYA31	0.195/0.430



9001SKT35LGG31

(1) Order and install listed contact block for noted contact sequence. Other contact sequences are available. Please contact our Customer Care Centre.

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

Separate components, accessories and spare parts



9001KR1U



9001KU5



9001KM1



9001KA1

Heads for spring return pushbuttons - unmarked

Shape of head	Type of push	Color	Reference	Weight kg/lb
For the metal range				
	Flush	Multi-color (1)	9001KR1U	0.087/0.192
	Projecting	Multi-color (1)	9001KR3U	0.090/0.198
	Recessed (high guard)	Multi-color (1)	9001KR2U	0.087/0.192
For the plastic range				
	Flush	Multi-color (1)	9001SKR1U	0.050/0.110
	Projecting	Multi-color (1)	9001SKR3U	0.050/0.110
	Recessed (high guard)	Multi-color (1)	9001SKR2U	0.050/0.110

Accessories for heads 9001KR•U

Description	Application	Color	Reference	Weight kg/lb
Rubber boots	Pushbuttons	Black	9001KU1	0.027/0.060
		Green	9001KU5	0.027/0.060
		Red	9001KU2	0.027/0.060
		Clear	9001KU7	0.027/0.060

Light blocks for pilot lights and illuminated pushbuttons

Supply	Light source	Type	Supply voltage V	Color	Reference	Weight kg/lb
Direct supply via integral resistance	BA 9s bulb (included)	Incandescent	12 ~	–	9001KM32	0.050/0.110
			24 ~	–	9001KM35	0.050/0.110
			120 ~	–	9001KM38	0.050/0.110
Direct supply via integral transformer	BA 9s 6 V bulb (included)	Incandescent	120 ~	–	9001KM1	0.144/0.317
			230 ~	–	9001KM7	0.144/0.317
			380 - 480 ~	–	9001KM5	0.144/0.317
Shallow depth	120 V bulb	LED	110 - 120 ~	Green	9001KM58LG	0.115/0.254

Contact blocks with protected terminals

Description		Type of contact			Reference	Weight kg/lb
		"NO"	"NC"	"CO"		
Standard contact blocks	–	–	–	1	9001KA1 (2)	0.027/0.060
	–	1	–	–	9001KA2 (2)	0.023/0.051
	–	–	1	–	9001KA3 (2)	0.023/0.051
Late break contact blocks	–	–	–	1	9001KA4	0.027/0.060
	–	–	1	–	9001KA5	0.023/0.051
Early break contact blocks	–	1	–	–	9001KA6	0.023/0.051
Logic reed contact blocks	Hermetically sealed	1	–	–	9001KA41 (2)	0.045/0.099
		–	1	–	9001KA42 (2)	0.045/0.099
		–	–	1	9001KA43 (2)	0.045/0.099
Power reed contact blocks	Hermetically sealed	1	–	1	9001KA51 (2)	0.045/0.099
		–	1	–	9001KA52 (2)	0.045/0.099
		–	–	1	9001KA53 (2)	0.045/0.099

(1) Includes set of 7 different colored caps for customer installation: black, green, red, yellow, blue, white and orange.

(2) It is possible to mount up to 3 levels of contact blocks (maximum of 6 contacts blocks) on 9001K and 9001SK references.

For additional contact blocks to be installed by the customer, please refer to our site www.se.com.



9001KN300



9001KN201

Aluminum legend plates for metal range

Unmarked

Description	Background color	Reference	Weight kg/lb
Size 1 (40 x 43 mm/ 1.57 x 1.69 in.)	Black	9001KN200	0.005/0.011
	Red	9001KN200R	0.005/0.011
Size 2 (44 x 50 mm/ 1.73 x 1.97 in.)	Black	9001KN300	0.005/0.011
	Red	9001KN300R	0.005/0.011

Marked

Description	Legend plate color	Marking	Reference	Weight kg/lb
English text (40 x 43 mm/ 1.57 x 1.69 in.)	Black background	START (silver letters)	9001KN201	0.005/0.011
		OPEN (silver letters)	9001KN209	0.005/0.011
		HAND-OFF-AUTO (silver letters)	9001KN260	0.005/0.011
	Red background	STOP (silver letters)	9001KN202	0.005/0.011

Plastic legend plates for plastic range

Unmarked

Description	Background color	Reference	Weight kg/lb
Size 1 (57 x 57 mm/ 2.24 x 2.24 in.)	White	9001KN100WP	0.005/0.011
	Black	9001KN100BP	0.005/0.011



9001KN100BP



9001K93R



9001Y22



9001G9



9001R31



9001G8



9001R24

Caps and knobs				
Description	Application	Color	Reference	Weight kg/lb
Ø 57/2.24 in. mushroom knob with set screw	For non-illuminated pushbutton	Red	9001K93R	0.005/0.011
Ø 41/1.61 in. mushroom knob	For illuminated pushbutton	Red	9001R22	0.005/0.011
Ø 41/1.61 in. lens caps	Mushroom head illuminated pushbutton	Yellow	9001Y22	0.005/0.011
		Green	9001G22	0.005/0.011
Standard lens	For pilot light	Red	9001R9	0.005/0.011
		Green	9001G9	0.005/0.011
Lens caps "Fresnel lens"	For pilot light	Red	9001R31	0.005/0.011
		Green	9001G31	0.005/0.011
		White	9001W31	0.005/0.011
Standard knob	For selector switch	Black	9001B11	0.005/0.011
		Red	9001R8	0.005/0.011
		Green	9001G8	0.005/0.011
		Blue	9001L8	0.005/0.011
		Yellow	9001Y8	0.005/0.011
		White	9001W8	0.005/0.011
Long knob	For selector switch	Black	9001B25	0.005/0.011
		Red	9001R24	0.005/0.011
		Green	9001G24	0.005/0.011
		Blue	9001L24	0.005/0.011
		Yellow	9001Y24	0.005/0.011
		White	9001W24	0.005/0.011



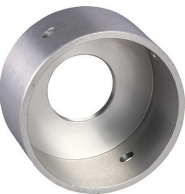
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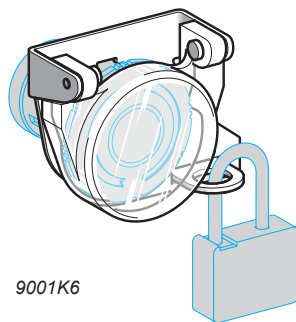
9001K52



9001K95



9001K48



9001K6

Bulbs and bulb extractor

Description	Application	Color	Reference	Weight kg/lb
Super bright LED bulbs	24 V / 9001●●●35L or 48 V / 9001●●●36L or 120 V / 9001●●●38L	Red (1)	6508805210	0.010/0.022
		Green (1)	6508805212	0.010/0.022
		Amber (1)	6508805211	0.010/0.022
		White (1)	6508805214	0.010/0.022
Bulb extractor	–	–	XBFX13	0.005/0.011

Other accessories

Description	Application	Color	Reference	Weight kg/lb
Closing plates	–	Gray	9001K51	0.020/0.044
		Black	9001K52	0.028/0.062
Screwdriver (3)	–	–	9001K69	0.150/0.331
Tightening wrench	Fixing nut	–	9001K95	0.064/0.141
	Boot	–	9001K1	0.150/0.331
Guards	For mushroom head pushbutton Ø 35 mm/1.38 in.	–	9001K48	0.028/0.062
		Ø 41 mm/1.61 in.	9001K56YM	0.036/0.079
		Ø 60 mm/2.36 in.	9001K685	0.030/0.066
Set of 7 different colored caps	For pushbutton	Black, green, red, yellow, blue, white, orange	9001T8U	0.005/0.011
Padlock attachment	For selector switch, with transparent plastic cover	–	9001K7 (4)	0.150/0.331
	For non-illuminated pushbutton, with transparent plastic cover	–	9001K6	0.150/0.331
	For illuminated pushbutton, without cover	–	9001K62	0.150/0.331
Alternate action module	Push on - Push off module (5)	–	9001K85	0.025/0.055

(1) LED light modules require the color cap color and the LED be the same or use a clear color cap.

(2) Voltage Assembly Codes.

(3) Screwdriver with special tip for mounting contact blocks.

(4) This padlock attachment is only compatible with the following standard knobs for selector switches: 9001B11, 9001R8, 9001G8, 9001L8, 9001Y8 and 9001W8.

(5) NO circuits require KA4 or KA6 contact blocks.

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

Separate components, accessories and spare parts

Enclosures (1)

Type	Conduit threads	NEMA ratings	Color of enclosure	Color of cover	N° of 30 mm holes	Reference	Weight kg/lb
Aluminum	3/4"	1, 3, 4, 6, 12, 13	–	–	1	9001KY1	1.170/2.579
					2	9001KY2	1.279/2.820
					3	9001KY3	1.597/3.520
					4	9001KY4	1.846/4.070
	14 mm/ 0.55 in.	1, 3, 4, 6, 12, 13	–	–	1	9001TY1	1.170/2.579
Aluminum with integral guard	3/4"	1, 3, 4, 6, 12, 13	Gray	Gray	1	9001KYG1	1.200/2.646
				Gray	Yellow	1	9001KYG1Y



9001KY1



9001KYG1Y

(1) Compatible with Ø 30 mm pushbuttons (including Emergency stop pushbuttons), selector switches, and pilot lights.

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

Separate components, accessories and spare parts



9001KYSS1

Enclosures (continued) (1)							
Type	Conduit threads	NEMA ratings	Color of enclosure	Color of cover	N° of 30 mm holes	Reference	Weight kg/lb
Stainless steel	3/4" Knockout	1, 3, 4, 4X, 13	–	–	1	9001KYSS1	1.061/2.339
					2	9001KYSS2	1.370/3.020
					3	9001KYSS3	1.715/3.781
					4	9001KYSS4	1.855/4.090
Plastic	3/4" Knockout	1, 3, 4, 4X, 13	–	–	1	9001SKY1	0.690/1.521
					2	9001SKY2	0.690/1.521
					3	9001SKY3	0.790/1.742

(1) Compatible with Ø 30 mm pushbuttons (including Emergency stop pushbuttons), selector switches, and pilot lights.

Control and signaling units Ø 30













Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights



Separate components, accessories and spare parts







The 9001KA contact blocks are Fingersafe™ contact blocks (meeting VDE 0106 Part 100). They have one screw mounting and captive (backed out) plus/minus terminal screws. These contact blocks are double-break, direct-acting contacts. Because of the wiping action of these contacts, they are suitable for use with programmable controllers. All contact blocks listed below accept up to 2 #12-#24 AWG solid or stranded wires. Recommended tightening torque for screw terminals is 7 lb-in

Standard contact blocks

Description	Symbol	Reference
 (Clear Cover)	 Direct-Acting	KA1
 (Green Cover)		KA2
 (Red Cover)	 Direct-Acting	KA3
 (Clear Cover)	 N/O Contact Early Closing	KA4
 (Red Cover)	 N/C Contact Late Opening	KA5
 (Green Cover)	 N/O Contact Early Closing	KA6

Additional Circuit Arrangements

Sequencing N/O Contact of KA4 closes before N/O Contact on KA1		Order One 9001KA4 and One 9001KA1
Overlapping N/O Contact of KA4 closes before N/C Contact of KA5 Opens		Order One 9001KA4 and One 9001KA5

Symbol	Contact blocks with Binder Head Screws (not Fingersafe)	Reference	Quantity (1)	Gold Flashed Contacts with Standard Pressure Wire Terminals	Reference
	KA21		25-Up	KA31	
	KA22		25-Up	KA32	
	KA23		25-Up	KA33	
	KA24		25-Up	KA34	
 N/O Early Closing	KA25		25-Up	KA35	
 N/C Contact Late Opening					







(1) Minimum order quantity is 25.

Contact blocks listed below are not Fingersafe, but provide:



- Terminals that accept ring tongue/fork tongue connectors
- Short single circuit contact blocks (0.75" deep vs. 0.97" deep on the Fingersafe)
- For assembled operators, use form Y238 (add to reference as suffix, for example: 9001KRU1H13Y238)



Contact blocks (not Fingersafe)

Symbol	Reference	Symbol	Reference
	KA1G		KA4G
		N/O Contact Early Closing	
	KA2G		KA5G
		N/C Contact Late Opening	
	KA3G		KA6G
		N/O Contact Early Closing	

Contact blocks with Quick-Connect terminals (not Fingersafe)

Symbol	Reference
	KA12
	KA13

Maximum Current Ratings for Control Circuit Contacts—9001KA1–KA6, KA21–KA25, KA31–KA35, KA1G–KA6G

V	AC					V	DC					
	Inductive (NEMA / UL Type A600) 35% Power Factor						Resistive 75% Power Factor Make, Break and Continuous Amperes	Inductive and Resistive (NEMA Q600)				
	Make Amperes	VA	Break Amperes	VA	Continuous Carrying Amperes			Make and Break				Continuous Carrying Amperes
						KA1	KA2 KA3	KA4	KA5 KA6			
120	60	7200	6.0	720	10	10	125	0.55	0.55	–	–	2.5
240	30		3.0				250	0.27	0.27	–	–	
480	15		1.5				600	0.10	0.10	–	–	
600	12		1.2									

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Pushbuttons, switches and pilot lights

Separate components, accessories and spare parts

Hazardous locations do not always require the use of explosion-proof equipment like the 9001BR control stations. Selecting the most appropriate device for the location can save you money. For more information on the types of hazardous locations, contact your local electrical inspector.

Schneider Electric Offering According to Class, Division, and Group

For Class	Division	Group(s)	Use
I	1	A	1. Intrinsically Safe System
I	1	B, C, D	1. 9001BR station 2. Intrinsically Safe System
I	2	A	1. 9001K control stations with restrictions (1) 2. Intrinsically Safe System
I	2	B, C, D	1. 9001BR station 2. 9001K control stations with restrictions (1) 3. Intrinsically Safe System
II	1	E, F, G	1. 9001BR station 2. Intrinsically Safe System
II	2	E, F	1. 9001BR station 2. 9001K control stations with restrictions (1) 3. Intrinsically Safe System
II	2	G	1. 9001BR station 2. 9001K control stations with restrictions (2) 3. Intrinsically Safe System
III	1, 2	—	1. 9001BR Station 2. 9001K control stations with restrictions (2) 3. Intrinsically Safe System

Any 9001K operator can be used in an area classified as Class I, Division 2 hazardous locations, if:

- Only logic (KA40 series) or power (KA50 series) reed contact blocks are used.
- All 9001K illuminated operators are UL approved for use in Class I Division 2 areas.
- The operators are mounted in any NEMA 4 & 13 enclosures.

(1) Any 9001K operator mounted in a 9001KY, 9001KYSS, 9001KYAF or 9001SKY enclosure may be used, except potentiometer operators.

(2) Add Form Y243 to single lamp Push-To-Test pilot lights.

Note: For (1) and (2): UL Listed: File E10054(N), CCN NOIV.

Hazardous Locations:



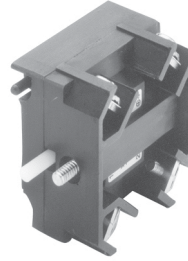
File CCN E10054(N) NOIV



File Class LR26817 3218 02

Hermetically Sealed Logic Reed Contact Blocks Suitable for use on low energy level circuits

Description	Symbol	Reference
		KA41
		KA42
		KA43
		KA44
		KA45



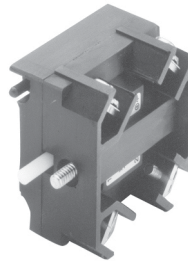
Max. Vac/Vdc	Maximum Load		
	Resistive	Inductive	Continuous
32/30	25 A	10 A	5 A
120/100	8 VA	3 VA	5 A

The maximum number of logic and/or power reed contact blocks per operator is as indicated on individual selection tables for standard contact blocks, **except**:

- On 3-Position selector switches with cams C, D, E, F, G, L, or M, mount reed blocks on **one side only** (either side), maximum 2 in tandem.
- On 4-Position selector switches, mount reed blocks on **one side only** (either side), maximum 2 in tandem.
- On joysticks or on 9001KR8 push-pull operators, mount reed blocks on **one side only** (either side), maximum 2 in tandem.

Hermetically Sealed Power Reed Contact Blocks (5)

Description	Symbol	Reference
		KA51
		KA52
		KA53
		KA54
		KA55



Volts	AC NEMA C300 (3)				Continuous Carrying Amperes
	Make		Break		
	A	VA	A	VA	
120	10.00	1200	1.000	120	3.0
240	5.00		500		

Volts	DC NEMA Q150 (4)				Continuous Carrying Amperes
	Make		Break		
	A	VA	A	VA	
115	50	58	50	58	3.0

Note: All contact blocks listed above accept #12–18 solid or stranded wire. The power reed contact blocks can be used with standard industrial relays and starters through NEMA Size 4. Minimum voltage is 5 V and the minimum current is 1 mA.

(3) Inductive Rating—35% Power Factor.

(4) Inductive and Resistive Ratings

(5) Not for use in pendant stations.

Pre-assembled Emergency stop pushbuttons Ø 30

Control and signaling units Ø 30

Harmony 9001K & 9001SK range



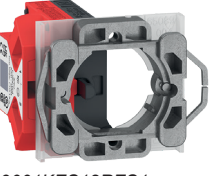

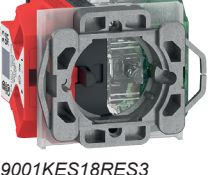
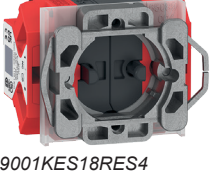
Emergency stop pushbuttons with chromium plated metal bezel or double insulated bezel

Pre-assembled units, with screw clamp terminals

Emergency stop conforming to EN/IEC 60204-1, 60364-5-53, EN/ISO 13850, and Machinery Directive 2006/42/EC

Emergency stop function: Mushroom head Emergency stop trigger action conform to standards EN/IEC 60204-1 and EN/ISO 13850, Machinery Directive 2006/42/EC, and standards UL508A, CSA C22.2 No 60947-5-1 (heads), UL60947-5-5, and UL 60947-5-1.

Please contact our Customer Care Center for an explanation of these standards and directives.

Pre-assembled non-illuminated Emergency stop pushbuttons trigger action, and mechanical latching Screw clamp terminal connections								
Shape of head	Type of reset	Type of contact		Push		Material	Reference	Weight kg/lb
		NO	NC	Diameter Ø mm/in.	Color			
Heads								
	Turn to release	–	–	43.5/1.712	Red	Metal	9001KR18	0.141/0.311
						Plastic	9001SKR18	0.080/0.176
Bodies								
	Pre-assembled bodies (can not be disassembled), compatible with 9001KR18 and 9001SKR18 heads only.	–	1			Plastic (with metal fixing collar)	9001KES18RES1	0.063/0.139
		–	2			Plastic (with metal fixing collar)	9001KES18RES2	0.084/0.185
		1	1			Plastic (with metal fixing collar)	9001KES18RES3	0.084/0.185
		1	2			Plastic (with metal fixing collar)	9001KES18RES4	0.105/0.231

9001KR18

9001SKR18

9001KES18RES1

9001KES18RES2

9001KES18RES3

9001KES18RES4

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

Emergency stop pushbuttons with chromium plated metal bezel or double insulated bezel

Pre-assembled units, with screw clamp terminals

Pre-assembled illuminated Emergency stop pushbuttons trigger action, and mechanical latching

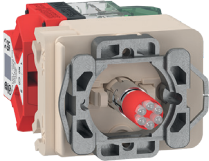
Screw clamp terminal connections

Shape of head	Type of reset	Supply voltage V AC/DC	Type of contact		Push		Material	Reference	Weight kg/lb
			NO	NC	Diameter Ø mm/in.	Color			

Heads

	Turn to release	-	-	-	43.5/1.712	Red	Metal	9001KR18P	0.141/0.311
							Plastic		9001SKR18P

Bodies

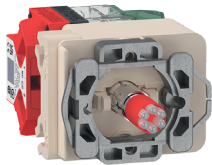
	Pre-assembled bodies (can not be disassembled), compatible with 9001KR18P and 9001SKR18P heads only.	24...28 ~	1	1	-	-	Plastic (with metal fixing collar)	9001KES18P35LRRES3	0.128/0.282
		120 ~	1	1	-	-	Plastic (with metal fixing collar)	9001KES18P38LRRES3	0.128/0.282



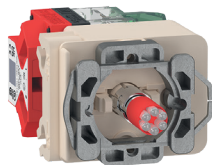
9001KR18P



9001SKR18P



9001KES18P35LRRES3



9001KES18P38LRRES3

Control and signaling units Ø 30

Harmony 9001K & 9001SK range

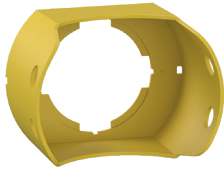
Emergency stop pushbuttons with chromium plated metal bezel or double insulated bezel

Accessories for pre-assembled Emergency stop pushbuttons

Accessories for pre-assembled Emergency stop pushbuttons

Guards

Description	Color	Material	Reference	Weight kg/lb
Guards with padlock holes 44 mm/1.73 in. hole opening for Emergency stop bezel	Yellow	Metal	9001K18M	0.090/0.198
		Plastic	9001K18P	0.021/0.046



9001K18M

Legends

Description	Legend plate color	Marking	Reference	Weight kg/lb
Circular plastic legend Ø 75/2.95 in.	Yellow	EMERGENCY STOP (black letters)	9001KN9318	0.002/0.004



9001KN9318

Aluminum legend plates Ø 50/1.96 in.	Yellow background	EMERGENCY STOP (black letters)	9001KN2018Y	0.005/0.011
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9001KN2018Y

	Red background	EMERGENCY STOP (silver letters)	9001KN2018R	0.005/0.011
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9001KN2018R

#	9001K48	31	9001KP35LLL9	21	9001KS12	14	9001SKP38LYA9	26
6508805210	9001K51	31	9001KP35LRR9	21	9001KS12K	14	9001SKR18	37
6508805211	9001K52	31	9001KP35LWW9	21	9001KS25	14	9001SKR18P	38
6508805212	9001K56YM	31	9001KP35LYA9	21	9001KS34	14	9001SKR1BH13	25
6508805214	9001K6	31	9001KP35R9	21	9001KS34K1	14	9001SKR1BH5	25
9001B11	9001K62	31	9001KP38G9	21	9001KS43FB	20	9001SKR1GH13	25
9001B25	9001K685	31	9001KP38LGG9	21	9001KS43K5R	20	9001SKR1GH5	25
9001G22	9001K69	31	9001KP38LLL9	21	9001KS46FB	20	9001SKR1RH13	25
9001G24	9001K7	31	9001KP38LRR9	21	9001KS53FB	20	9001SKR1U	28
9001G31	9001K71	22	9001KP38LWW9	21	9001KS63FB	20	9001SKR1UH13	25
9001G8	9001K71H7	22	9001KP38LYA9	21	9001KS88	16	9001SKR1UH5	25
9001G9	9001K73	22	9001KP38R9	21	9001KS88FB	20	9001SKR2GH5	25
9001K1	9001K85	31	9001KP7A9	21	9001KS88J1	16	9001SKR2U	28
9001K11J1	9001K93R	30	9001KP7G9	21	9001KS88J1R	16	9001SKR2UH13	25
9001K11J1R	9001K95	31	9001KP7R9	21	9001KT35LGG31	23	9001SKR3RH6	25
9001K11J35LGF	9001KA1	28	9001KR1	8	9001KT35LRR31	23	9001SKR3U	28
9001K12J1	9001KA2	28	9001KR11UH1H1	23	9001KT35LYA31	23	9001SKR9P35LRR	27
9001K12J1R	9001KA3	28	9001KR18	37	9001KT38LGG31	23	9001SKR9P38LRR	27
9001K18M	9001KA4	28	9001KR18P	38	9001KT38LRR31	23	9001SKS11FB	26
9001K18P	9001KA41	28	9001KR1BH13	19	9001KT38LYA31	23	9001SKS43FB	26
9001K1L	9001KA42	28	9001KR1BH5	19	9001KU1	28	9001SKS53FB	26
9001K1L35LGGH13	9001KA43	28	9001KR1GH13	19	9001KU2	28	9001SKT35LGG31	27
9001K1L38LGGH13	9001KA5	28	9001KR1GH5	19	9001KU5	28	9001SKT35LRR31	27
9001K1L38LRRH13	9001KA51	28	9001KR1RH13	19	9001KU7	28	9001SKT35LYA31	27
9001K20	9001KA52	28	9001KR1U	28	9001KY1	32	9001SKT38LGG31	27
9001K22	9001KA53	28	9001KR1UH13	19	9001KY2	32	9001SKT38LRR31	27
9001K25J1	9001KA6	28	9001KR1UH5	19	9001KY3	32	9001SKT38LYA31	27
9001K25J1R	9001KES18P35LRRES3	38	9001KR2	8	9001KY4	32	9001SKY1	33
9001K2L	9001KES18P38LRRES3	38	9001KR20	8	9001KYG1	32	9001SKY2	33
9001K2L35GH13	9001KES18RES1	37	9001KR24BH13	19	9001KYG1Y	32	9001SKY3	33
9001K2L35LGGH13	9001KES18RES2	37	9001KR24BM	19	9001KYSS1	33	9001T8U	31
9001K2L35LH13	9001KES18RES3	37	9001KR25BH13	19	9001KYSS2	33	9001TY1	32
9001K2L35LRRH13	9001KES18RES4	37	9001KR25BM	19	9001KYSS3	33	9001W24	30
9001K2L35LYAH13	9001KM1	28	9001KR25GM	19	9001KYSS4	33	9001W31	30
9001K2L35RH13	9001KM32	28	9001KR2GH5	19	9001L24	30	9001W8	30
9001K2L38GH13	9001KM35	28	9001KR2U	28	9001L8	30	9001Y22	30
9001K2L38LGGH13	9001KM38	28	9001KR2UH13	19	9001R22	30	9001Y24	30
9001K2L38LRRH13	9001KM5	28	9001KR2UH5	19	9001R24	30	9001Y8	30
9001K2L38LYAH13	9001KM58LG	28	9001KR3	8	9001R31	30	K	
9001K31	9001KM7	28	9001KR3RH6	19	9001R8	30	KA1	34
9001K31H8	9001KN100BP	29	9001KR3U	28	9001R9	30	KA12	34
9001K34	9001KN100WP	29	9001KR3UH13	19	9001SK1L35LGG	26	KA13	34
9001K34J1	9001KN200	29	9001KR3UH5	19	9001SK1L38LGG	26	KA1G	34
9001K34J1R	9001KN200R	29	9001KR6	8	9001SK2L35LGG	27	KA2	34
9001K35	9001KN201	29	9001KR67	8	9001SKP1A9	26	KA21	34
9001K35H2	9001KN2018R	39	9001KR7	8	9001SKP1G9	26	KA22	34
9001K3L	9001KN2018Y	39	9001KR8	8	9001SKP1R9	26	KA23	34
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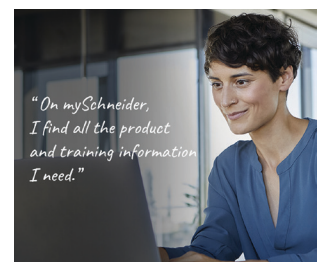
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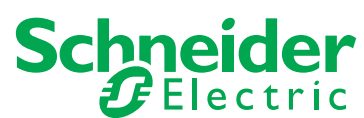
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