



L5K13SOM103



L53K13MIM211



L51K13MIP211



L52K13MIP211



L53K13MIP211



L54K16MIP211



L54K16MIM211

# Limit Switches



L1K13MEM121



L1K13MIM111



L1K13MEL121



L1K13PUM211

## L1 Series, Aluminium Body, Snap Action, IP 65 (except MIP11, MIM11)

Code	Actuator	Actuator Type	Actuator End Unit Material
L1K13MIP111*	Angular Action Roller One Way	Metal	Plastic
L1K13MIM111*	Angular Action Roller One Way	Metal	Metal
L1K13MIP211*	Angular Action Roller One Way	Aluminium	Plastic
L1K13MIM211*	Angular Action Roller One Way	Aluminium	Metal
L1K13MIP311*	Angular Action Roller One Way	Plastic	Plastic
L1K13MIM311*	Angular Action Roller One Way	Plastic	Metal
L1K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic
L1K13MEM121*	Angular Action Roller Two Way	Plastic	Metal
L1K13MEL121*	Angular Action Roller Two Way	Plastic	Rubber
L1K13PUM211*	Plunger	Plastic	Metal
L1K13MUM331*	Linear Roller	Plastic	Metal
L1K13SOM101	Spiral Lever	Plastic	Metal
L1K13SOM102	Spiral Arm	Plastic	Metal
L1K13ROP101*	Rigid Rod	Plastic	Plastic
L1K13SOP101	Spiral Arm	Plastic	Plastic-Metal
L1K13SOP102	Spiral Arm	Plastic	Plastic-Metal
L1K13SOP103	Spiral Arm	Plastic	Plastic-Metal



L2K13MIM311



L2K13MEP123



L2K13SOP102



L2K13SOM211

## L2 Series, Aluminium Body, Plastic Cover, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L2K13MIP211*	Angular Action Roller One Way	Metal	Plastic
L2K13MIM211*	Angular Action Roller One Way	Metal	Metal
L2K13MIP311*	Angular Action Roller One Way	Plastic	Plastic
L2K13MIM311*	Angular Action Roller One Way	Plastic	Metal
L2K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic
L2K13MEP122	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L2K13MEP123*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L2K13MEP124*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L2K13MEL121*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L2K13MEM121*	Angular Action Roller Two Way	Plastic	Metal
L2K13MEM122	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L2K13MEM123*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L2K13MEM124*	Angular Action Roller Two Way	Plastic	Metal
L2K13PUM211*	Plunger	Plastic	Metal
L2K13MUM331*	Linear Roller	Plastic	Metal
L2K13SOM101	Spiral Lever	Plastic	Metal
L2K13SOM102	Spiral Arm	Plastic	Metal
L2K13ROP101*	Rigid Rod	Plastic	Plastic
L2K13SOP101	Spiral Arm	Plastic	Plastic-Metal
L2K13SOP102	Spiral Arm	Plastic	Plastic-Metal
L2K13SOP103	Spiral Arm	Plastic	Plastic-Metal

\* Positive opening Function

Note : For different contact block alternatives, please see contact blocks table on [Page 35](#)



L3K13MIM411



L3K13MEP124



L3K13MUM331



L3K13REF121



L3K13MIP311



L3K13MEM121

## L3 Series, Plastic Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L3K13MIP311*	Angular Action Roller One Way	Plastic	Plastic
L3K13MIP411*	Angular Action Roller One Way	Plastic	Plastic
L3K13MIM311*	Angular Action Roller One Way	Plastic	Metal
L3K13MIM411*	Angular Action Roller One Way	Plastic	Metal
L3K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic
L3K13MEP122	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L3K13MEP123*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L3K13MEP124*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L3K13MEM121*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L3K13MEM122	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L3K13MEM123*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L3K13MEM124*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L3K13MEL121*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L3K13MEL122	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L3K13PUM211*	Plunger	Plastic	Metal
L3K13MUM331*	Linear Roller	Plastic	Metal
L3K13SOM101	Spiral Lever	Plastic	Metal
L3K13SOM102	Spiral Arm	Plastic	Metal
L3K13ROP101*	Rigid Rod	Plastic	Plastic
L3K13SOP101	Spiral Arm	Plastic	Plastic-Metal
L3K13SOP102	Spiral Arm	Plastic	Plastic-Metal
L3K13SOP103	Spiral Arm	Plastic	Plastic-Metal
L3K13REM121*	Metal Arm	Plastic	Metal
L3K13REF121	Fiber Arm	Plastic	Fiber

\* Positive opening Function

Note : For different contact block alternatives, please see contact blocks table on [Page 35](#)



L4K16MIM311



L4K16MEP121

## L4 Series, Aluminium Body, Double Contact Block, Snap Action, IP 65

(Except MIP111, MIM111)

Code	Actuator	Actuator Type	Actuator End Unit Material
L4K16MIM111	Angular Action Roller One Way	Metal	Metal
L4K16MIP111	Angular Action Roller One Way	Metal	Plastic
L4K16MIP211	Angular Action Roller One Way	Metal	Plastic
L4K16MIM211	Angular Action Roller One Way	Metal	Metal
L4K16MIP311	Angular Action Roller One Way	Plastic	Plastic
L4K16MIM311	Angular Action Roller One Way	Plastic	Metal
L4K16MEP121	Angular Action Roller Two Way	Plastic	Plastic
L4K16MEM121	Angular Action Roller Two Way	Plastic	Metal
L4K16PUM211	Plunger	Plastic	Metal
L4K16MUM331	Linear Roller	Plastic	Metal



L5K13MIP311



L5K13MIP411



L5K13MEP123



L5K13MEP124



L5K13MUM331



L5K13MUM332R



L5K13MIP211



L5K13MEL121

## L5 Series, Plastic Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L5K13MIP211*	Angular Action Roller One Way (22mm)	Plastic	Plastic
L5K13MIP311*	Angular Action Roller One Way	Plastic	Plastic
L5K13MIM311R	Angular Action Roller One Way, Adjustable	Plastic	Metal
L5K13MIP411*	Angular Action Roller One Way	Plastic	Plastic
L5K13MIP411R*	Angular Action Roller One Way, with Reset	Plastic	Plastic
L5K13MIM211*	Angular Action Roller One Way (22mm)	Plastic	Metal
L5K13MIM311*	Angular Action Roller One Way	Plastic	Metal
L5K13MIM411*	Angular Action Roller One Way	Plastic	Metal
L5K13MIM411R	Angular Action Roller One Way, Adjustable	Plastic	Metal
L5K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic
L5K13MEP122*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L5K13MEP123*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L5K13MEP124*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L5K13MEM121*	Angular Action Roller Two Way	Plastic	Metal
L5K13MEM122*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L5K13MEM123*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L5K13MEL121*	Angular Action Roller Two Way	Plastic	Rubber
L5K13MEL122*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L5K13MEL123*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L5K13MEL123A*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L5K13MEM124*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L5K13PUM211*	Plunger	Plastic	Metal
L5K13PUM211R*	Plunger, with Reset	Plastic	Metal
L5K13PUP211	Plunger	Plastic	Plastic
L5K13MUM331*	Linear Roller	Plastic	Metal
L5K13MUM331R*	Linear Roller, with Reset	Plastic	Metal
L5K13SOM101	Spiral Lever	Plastic	Metal
L5K13SOM102	Spiral Arm	Plastic	Metal
L5K13SOM103	Spiral Arm	Plastic	Metal
L5K13SOP101	Spiral Arm	Plastic	Plastic-Metal
L5K13SOP102	Spiral Arm	Plastic	Plastic-Metal
L5K13SOP103	Spiral Arm	Plastic	Plastic-Metal
L5K13ROP101*	Rigid Rod	Plastic	Plastic
L5K13CPDE	Emergency Stop	Plastic	Plastic
L5K13REM121	Fiber Arm	Plastic	Metal

## L5 Series, Plastic Body, Slow Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L5K23MEL123A	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L5K23SOM103	Spiral Arm	Plastic	Metal
L5K23LEM411*	Hinge	Plastic	Metal
L5K23LEM412*	Hinge	Plastic	Metal
L5K23LEM511*	Hinge	Plastic	Metal
L5K23LEM621*	Hinge	Plastic	Metal
L5K23LEM622*	Hinge	Plastic	Metal
L5K23BEM621*	Rotational Tube	Plastic	Metal
L5K23LUM321*	Curved Key	Plastic	Metal
L5K23LUM322*	Straight Key	Plastic	Metal
L5K23LUM323	Movable Key	Plastic	Metal
L5K23MUM332R*	Linear Roller, with Reset	Plastic	Metal
L5K23CPDE	Emergency Stop	Plastic	Plastic
L5K23LUM324	Movable Key	Plastic	Metal

\* Positive opening Function

Note : For different contact block alternatives, please see contact blocks table on [Page 35](#)



L5K23LEM411



L5K23BEM621



L5K23CPDE



L5K23LUM323



L51K13MIP211



L51K13MIM311



L51K13MIM411



L51K13MEM121



L51K13MEM122



L51K13SOM101



L51K13SOM102

## L51 Series, Metal Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L51K13MIP211	Angular Action Roller One Way	Metal	Plastic
L51K13MIP311*	Angular Action Roller One Way	Metal	Plastic
L51K13MIP411	Angular Action Roller One Way	Metal	Plastic
L51K13MIM211	Angular Action Roller One Way	Metal	Metal
L51K13MIM311*	Angular Action Roller One Way	Metal	Metal
L51K13MIM411*	Angular Action Roller One Way	Metal	Metal
L51K13MEP121*	Angular Action Roller Two Way	Metal	Plastic
L51K13MEP122*	Angular Action Roller Two Way, Adjustable	Metal	Plastic
L51K13MEP123*	Angular Action Roller Two Way, Adjustable	Metal	Plastic
L51K13MEP124*	Angular Action Roller Two Way, Adjustable	Metal	Plastic
L51K13MEP125*	Angular Action Roller Two Way	Metal	Plastic-Metal
L51K13MEM121*	Angular Action Roller Two Way	Metal	Metal
L51K13MEM122*	Angular Action Roller Two Way, Adjustable	Metal	Metal
L51K13MEM123*	Angular Action Roller Two Way, Adjustable	Metal	Metal
L51K13MEL121*	Angular Action Roller Two Way	Metal	Rubber
L51K13MEL122*	Angular Action Roller Two Way, Adjustable	Metal	Rubber
L51K13MEL123*	Angular Action Roller Two Way, Adjustable	Metal	Rubber
L51K13MEL123A*	Angular Action Roller Two Way, Adjustable	Metal	Rubber
L51K13MEM124*	Angular Action Roller Two Way, Adjustable	Metal	Plastic-Metal
L51K13MEM125*	Angular Action Roller Two Way	Metal	Metal
L51K13PUM211*	Plunger	Metal	Plastic-Metal
L51K13MUM331*	Linear Roller	Metal	Plastic-Metal
L51K13SOM101	Spiral Lever	Metal	Plastic-Metal
L51K13SOM102	Spiral Arm	Metal	Plastic-Metal
L51K13SOM103	Spiral Arm	Metal	Metal
L51K13SOP101	Spiral Arm	Metal	Plastic-Metal
L51K13SOP102	Spiral Arm	Metal	Plastic-Metal
L51K13SOP103	Spiral Arm	Metal	Plastic-Metal
L51K13ROP101*	Rigid Rod	Metal	Plastic
L51K13REF121	Rigid Rod	Metal	Fiber
L51K13REM121*	Rigid Rod	Metal	Metal
L51K13LEM411	Hinge	Metal	Metal
L51K13LEM412	Hinge	Metal	Metal
L51K13LEM511	Hinge	Metal	Metal
L51K13LEM621	Hinge	Metal	Metal
L51K13LEM622	Hinge	Metal	Metal



L51K23LUM321

## L51 Series, Metal Body, Slow Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L51K23LUM321*	Curved Key	Metal	Metal
L51K23LUM322*	Straight Key	Metal	Metal
L51K23LUM323	Movable Key	Metal	Metal
L51K23LUM324	Movable Key	Metal	Metal
L51K23HUM111	Metal Ring	Metal	Metal
L51K23HUM112	Metal Ring, with Reset	Metal	Metal

\* Positive opening Function

Note : For different contact block alternatives, please see contact blocks table on Page 35



L52K13MIM311



L52K13MIM411



L52K13MEP123



L52K13MEP124



L52K13MUM331



L52K13PUM211



L52K13REF121



L52K13REM121



L52K13MIP211

## L52 Series, Metal Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L52K13MIP211	Angular Action Roller One Way	Metal	Plastic
L52K13MIP311*	Angular Action Roller One Way	Metal	Plastic
L52K13MIP411*	Angular Action Roller One Way	Metal	Plastic
L52K13MIM211	Angular Action Roller One Way	Metal	Metal
L52K13MIM311*	Angular Action Roller One Way	Metal	Metal
L52K13MIM411*	Angular Action Roller One Way	Metal	Metal
L52K13MEP121*	Angular Action Roller Two Way	Metal	Plastic
L52K13MEP122*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L52K13MEP123*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L52K13MEP124*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L52K13MEP125*	Angular Action Roller Two Way	Metal	Plastic-Metal
L52K13MEM121*	Angular Action Roller Two Way	Metal	Metal
L52K13MEM122*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L52K13MEM123*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L52K13MEL121*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L52K13MEL122*	Angular Action Roller Two Way	Metal	Rubber
L52K13MEL123*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L52K13MEL123A*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L52K13MEM124*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L52K13PUM211*	Plunger	Metal	Metal
L52K13MUM331*	Linear Roller	Metal	Metal
L52K13MUP331	Linear Roller	Metal	Plastic
L52K13SOM101	Spiral Lever	Metal	Metal
L52K13SOM102	Spiral Arm	Metal	Metal
L52K13SOM103	Spiral Arm	Metal	Metal
L52K13SOP101	Spiral Arm	Metal	Plastic-Metal
L52K13SOP102	Spiral Arm	Metal	Plastic-Metal
L52K13SOP103	Spiral Arm	Metal	Plastic-Metal
L52K13ROP101*	Rigid Rod	Metal	Plastic
L52K13REF121	Rigid Rod	Metal	Fiber
L52K13REM121*	Rigid Rod	Metal	Metal
L52K13LEM411	Hinge	Metal	Metal
L52K13LEM412	Hinge	Metal	Metal
L52K13LEM511	Hinge	Metal	Metal
L52K13LEM621	Hinge	Metal	Metal
L52K13LEM622	Hinge	Metal	Metal

\* Positive opening Function ⊕

Note : For different contact block alternatives, please see contact blocks table on Page 35



L52K23HUM111



L52K23HUM112

## L52 Series, Metal Body, Slow Action

Code	Actuator	Actuator Type	Actuator End Unit Material
L52K23LUM321*	Curved Key	Metal	Metal
L52K23LUM322*	Straight Key	Metal	Metal
L52K23LUM323	Movable Key	Metal	Metal
L52K23LUM324	Movable Key	Metal	Metal
L52K23HUM111	Metal Ring	Metal	Metal
L52K23HUM112	Metal Ring, with Reset	Metal	Metal

\* Positive opening Function ⊕



L53K13MIP211



L53K13MIM311



L53K13MEP125



L53K13MEL123



L53K13MEL123A



L53K13PUM211



L53K13MUM331



L53K13SOM102



L53K13SOP103

## L53 Series, Metal Body, Heavy Duty with 3 Cable Entry, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L53K13MIP211	Angular Action Roller One Way	Metal	Plastic
L53K13MIP311*	Angular Action Roller One Way	Metal	Plastic
L53K13MIP411*	Angular Action Roller One Way	Metal	Plastic
L53K13MIM211	Angular Action Roller (22 mm)	Metal	Metal
L53K13MIM311*	Angular Action Roller One Way	Metal	Metal
L53K13MEP121*	Angular Action Roller Two Way	Metal	Plastic
L53K13MEP122*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L53K13MEP123*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L53K13MEP124*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L53K13MEP125*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L53K13MEM121*	Angular Action Roller Two Way	Metal	Metal
L53K13MEM122*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L53K13MEM123*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L53K13MEL121*	Angular Action Roller Two Way.	Metal	Rubber
L53K13MEL122*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L53K13MEL123*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L53K13MEL123A*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L53K13MEM124*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L53K13MEM125*	Angular Action Roller Two Way	Metal	Metal
L53K13PUM211*	Plunger	Metal	Metal
L53K13MUM331*	Linear Roller	Metal	Metal
L53K13MUP331	Linear Roller	Metal	Plastic
L53K13SOM101	Spiral Lever	Metal	Metal
L53K13SOM102	Spiral Arm	Metal	Metal
L53K13SOM103	Spiral Arm	Metal	Metal
L53K13SOP101	Spiral Arm	Metal	Plastic-Metal
L53K13SOP102	Spiral Arm	Metal	Plastic-Metal
L53K13SOP103	Spiral Arm	Metal	Plastic-Metal
L53K13ROP101*	Rigid Rod	Metal	Plastic
L53K13REF121	Rigid Rod	Metal	Fiber
L53K13REM121	Fiber Arm	Metal	Metal
L53K13LEM411	Hinge	Metal	Metal
L53K13LEM412	Hinge	Metal	Metal
L53K13LEM511	Hinge	Metal	Metal
L53K13LEM621	Hinge	Metal	Metal
L53K13LEM622	Hinge	Metal	Metal

## L53 Series, Metal Body, Heavy Duty With 3 Cable Entry, Slow Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L53K23LUM321	Curved Key	Metal	Metal
L53K23LUM322	Straight Key	Metal	Metal
L53K23HUM111	Metal Ring	Metal	Metal
L53K23HUM112	Metal Ring, with Reset	Metal	Metal

\* Positive opening Function

Note : For different contact block alternatives, please see contact blocks table on [Page 35](#)



L54K16MIP211



L54K16MIM211



L54K16MIP311



L54K16MIM311



L54K16MEP121



L54K16MEM121



L54K16MEM122



L54K16MEP124



L54K16MEM123



L54K16MEM124



L54K16PUM211

## L54 Series, Snap and Slow Action, IP65

Code	Actuator	Actuator Type	Actuator End Unit Material
L54K16MIP211	Angular Action Roller One Way	Metal	Plastic
L54K16MIM211	Angular Action Roller One Way	Metal	Metal
L54K16MIP311	Angular Action Roller One Way	Metal	Plastic
L54K16MIM311	Angular Action Roller One Way	Metal	Metal
L54K16MEP121	Angular Action Roller Two Way	Metal	Plastic
L54K16MEM121	Angular Action Roller Two Way	Metal	Metal
L54K16MEP122	Angular Action Roller Two Way, Adjustable	Metal	Plastic
L54K16MEM122	Angular Action Roller Two Way,	Metal	Metal
L54K16MEP123	Angular Action Roller Two Way, Adjustable	Metal	Plastic
L54K16MEM123	Angular Action Roller Two Way, Adjustable	Metal	Metal
L54K16MEP124	Angular Action Roller Two Way, Adjustable	Metal	Plastic
L54K16MEM124	Angular Action Roller Two Way, Adjustable	Metal	Metal
L54K16MEL121	Angular Action Roller Two Way	Metal	Rubber
L54K16MEL122	Angular Action Roller Two Way	Metal	Rubber
L54K16MEL123	Angular Action Roller Two Way, Adjustable	Metal	Rubber
L54K16PUM211	Plunger	Metal	Metal
L54K16MUM331	Linear Roller	Metal	Metal

## L61 Series, Metal Body, With Cable, IP67, Snap Action (2 mt.cable)

Code	Actuator	Actuator Type	Actuator End Unit Material
L61K13MUM331*	Linear Roller	Metal	Metal
L61K13PUM211*	Plunger	Metal	Metal
L61K13MEM121*	Angular Action Roller Two Way	Metal	Metal
L61K13MEP121*	Angular Action Roller Two Way	Metal	Plastic



L61K13MUM331

## L66 Series, Plastic Body, With Cable, IP67, Snap Action (2 mt.cable)

Code	Actuator	Actuator Type	Actuator End Unit Material
L66K13MUM331*	Linear Roller	Metal	Metal
L66K13PUM211*	Plunger	Metal	Metal
L66K13MEM121*	Angular Action Roller Two Way	Plastic	Metal
L66K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic



L66K13MEP121

\* Positive opening Function ↻



## Spare Parts of Limit Switches



LD11MIP111



LD22MIP211



LD23MIP411



LD23MEM121



LD23SOP101



LD23ROP101



LD33MIP311



LD33MUM331



LA33LUM323



LA33LUM324

### Actuator

Code	Body Type	Actuator Type	End Unit Material	Features	Box/Pcs
LD11MIP111	L1,L4	Angular Action Roller One Way	Plastic	Metal Sheet Construction	20
LD11MIM111	L1,L4	Angular Action Roller One Way	Metal	Metal Sheet Construction	20
LD22MIP211	L1,L2,L4	Angular Action Roller One Way	Plastic	Metal Construction	20
LD22MIM211	L1,L2,L4	Angular Action Roller One Way	Metal	Metal Construction	20
LD23MIP311	L1,L2,L3,L4	Angular Action Roller One Way	Plastic	Plastic Construction	20
LD23MIM311	L1,L2,L3,L4	Angular Action Roller One Way	Metal	Plastic Construction	20
LD23MIP411	L3	Angular Action Roller One Way	Plastic	Plastic Construction with Angle	20
LD23MIM411	L3	Angular Action Roller One Way	Metal	Plastic Construction with Angle	20
LD23MEP121	L1,L2,L3,L4	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD23MEM121	L1,L2,L3,L4	Angular Action Roller Two Way	Metal	Plastic Construction - Rotating Arm	20
LD23PUM211	L1,L2,L3,L4	Plunger	Metal	Plastic Construction	20
LD23MUM331	L1,L2,L3,L4	Linear Roller	Metal	Plastic Construction	20
LD23SOM101	L1,L2,L3	Spiral Lever	Metal	Plastic Construction - Multi Way	20
LD23SOM102	L1,L2,L3	Spiral Arm	Metal	Plastic Construction - Multi Way	20
LD23SOP101	L1,L2,L3	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD23SOP102	L1,L2,L3	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD23SOP103	L1,L2,L3	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD23ROP101	L1,L2,L3	Rigid Rod	Plastic	Plastic Construction - Multi Way	20
LD23MEL121	L1,L2,L3	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD23MEP123	L2,L3	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD23MEM123	L2,L3	Angular Action Roller Two Way	Metal	Plastic Construction - Rotating Arm	20
LD33MIM311	L5	Angular Action Roller One Way	Metal	Plastic Construction with Angle	20
LD33MIP311	L5	Angular Action Roller One Way	Plastic	Plastic Construction with Angle	20
LD33MIP411	L5	Angular Action Roller One Way	Plastic	Plastic Construction with Angle	20
LD33MEP121	L5	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD33MEP122	L5	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD33MEP123	L5	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD33MEM122	L5	Angular Action Roller Two Way	Metal	Plastic Construction - Rotating Arm	20
LD33MEL121	L5	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD33MEL122	L5	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD33MEL123	L5	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD33MEL124	L5	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD33MUP331	L5	Linear Roller	Plastic	Plastic Construction	20
LD33MUM331	L5	Linear Roller	Metal	Plastic Construction	20
LD33CPDE	L5	Emergency Stop	Plastic	Plastic Construction	20
LD33CPA	L5	Button Adapter	-	-	20
LA33LUM320	L5,L51,L52,L53	Straight Key	Metal	-	20
LA33LUM321	L5,L51,L52,L53	Curved Key	Metal	-	20
LA33LUM323	L5,L51,L52,L53	Movable Security Key	Plastic	-	20
LA33LUM324	L5,L51,L52,L53	Movable Security Key	Plastic	-	20



LD51SOM102



LD51SOP102



LD51MEP121



LD51MIP311



LD51MUM331



LD51MEM124



LD51MEM123



LD51MEP123



LK20K13



LK20K25



LK20K28



L5K13



L52K13

## Spare Parts - Actuators

Code	Body Type	Actuator	End Unit Material	Features	Box/Pcs
LD33SOM101	L5	Spiral Lever	Metal	Plastic Construction - Multi Way	20
LD33SOP101	L5	Spiral Lever	Plastic	Plastic Construction - Multi Way	20
LD33SOM102	L5	Spiral Arm	Metal	Plastic Construction - Multi Way	20
LD33SOP102	L5	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD33LUM321	L5	Hinge	Metal	Metal Construction - Rotating Arm	20
LD33LUM322	L5	Hinge	Metal	Metal Construction - Rotating Arm	20
LD33LEM622	L5	Hinge	Metal	Metal Construction - Rotating Arm	20
LD33BEM621	L5	Rotational Tube	Hinge	Met. Construction-Rotational Tube	20
LD33REF121	L5	Rigid Rod	Fiber	Plastic Construction-Rotating Arm	20
LD51MIM311	L51, L52	Angular Action Roller One Way	Metal	Metal Construction	20
LD51MIP211	L51, L52	Angular Action Roller One Way	Plastic	Metal Construction	20
LD51MIP311	L51, L52	Angular Action Roller Two Way	Plastic	Metal Construction - Rotating Arm	20
LD51MEP121	L51, L52	Angular Action Roller Two Way	Plastic	Metal Construction - Rotating Arm	20
LD51MEM121	L51, L52	Angular Action Roller Two Way	Metal	Metal Construction - Rotating Arm	20
LD51MEP123	L51, L52	Angular Action Roller Two Way	Plastic	Metal Construction - Long Rotating Arm	20
LD51MEM123	L51, L52	Angular Action Roller Two Way	Metal	Metal Construction - Long Rotating Arm	20
LD51MEM124	L51, L52	Angular Action Roller Two Way	Metal	Metal Construction - Long Rotating Arm	20
LD51MEL121	L51, L52	Angular Action Roller Two Way	Rubber	Plastic Construction-Rotating Arm	20
LD51MEL122	L51, L52	Angular Action Roller Two Way	Rubber	Plastic Construction-Rotating Arm	20
LD51MUM331	L51, L52	Plunger with Roll	Metal	Metal Construction	20
LD51SOP101	L51, L52	Spiral Lever	Plastic	Metal Construction - Multi Way	20
LD51SOP102	L51, L52	Spiral Arm	Plastic	Metal Construction - Multi Way	20
LD51SOM102	L51, L52	Spiral Arm	Metal	Metal Construction - Multi Way	20
LD53MIM311	L53, L54	Angular Action Roller One Way	Metal	Metal Construction	20
LD53MIP211	L53, L54	Angular Action Roller One Way	Plastic	Metal Construction	20
LD53MIP311	L53, L54	Angular Action Roller Two Way	Plastic	Metal Construction - Rotating Arm	20
LD53MEP121	L53, L54	Angular Action Roller Two Way	Plastic	Metal Construction - Rotating Arm	20
LD53MEM121	L53, L54	Angular Action Roller Two Way	Metal	Metal Construction - Rotating Arm	20
LD53MEP123	L53, L54	Angular Action Roller Two Way	Plastic	Metal Construction - Long Rotating Arm	20
LD53MEM123	L53, L54	Angular Action Roller Two Way	Metal	Metal Construction - Long Rotating Arm	20
LD53MEM124	L53, L54	Angular Action Roller Two Way	Metal	Metal Construction - Long Rotating Arm	20
LD53MEL121	L53, L54	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD53MEL122	L53, L54	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD53MUM331	L53, L54	Linear Roller	Metal	Metal Construction	20
LD53SOP101	L53, L54	Spiral Arm	Metal	Metal Construction - Multi Way	20
LD53SOP102	L53, L54	Spiral Arm	Plastic	Metal Construction - Multi Way	20
LD53SOM102	L53, L54	Spiral Arm	Metal	Metal Construction - Multi Way	20

## Spare Parts - Contact Blocks

Code	Action Type	Contact Block	Plunger Types	Body Type	Box/Pcs
LK10K13	Snap	1 NC + 1 NO	Short	L4	30
LK10K23	Slow	1 NC + 1 NO	Short	L4	30
LK11K13	Snap	1 NC + 1 NO	Long	L4	30
LK11K23	Slow	1 NC + 1 NO	Long	L4	30
LK20K12	Snap	1NC + 1 NC	Short	L1, L2, L3, L5, L51, L52, L53, L54	30
LK20K13*	Snap	1 NC + 1 NO	Short	L1, L2, L3, L5, L51, L52, L53, L54	30
LK20K23*	Slow	1 NC + 1 NO	Short	L1, L2, L3, L5, L51, L52, L53, L54	30
LK20K25*	Slow	2 NC + 1 NO	Short	L1, L2, L3, L5, L51, L52, L53, L54	30
LK20K27*	Slow	1 NC + 2 NO	Short	L1, L2, L3, L5, L51, L52, L53, L54	30
LK20K28*	Slow	1 NC + 1 NC	Delayed Short	L1-L54-CSM10	10
LK20K29*	Slow	1 NC + 1 NO	Overlapped Short	L1, L2, L3, L5, L51, L52, L53, L54	30

## Body (Housing)

Code	Body Type	Box/Pcs
L1K13	Aluminium	1
L2K13	Aluminium	1
L3K13	Plastic	1
L5K13	Plastic	1
L51K13	Metal	1
L52K13	Metal	1
L53K13	Metal	1
L54K16	Metal	1

\* Positive opening Function