

# DUX- LIMIT SWITCHES EK.. Series



## The EK.. series

are machine-operated limit switches, 380V / 6A, for auxiliary and control circuits.

**They are used for the control and movement limitation:**

- of processing and manufacturing machines
- in lifts
- in ships
- in transporting equipments
- and as trigger switches in safety and alarm systems.

The various combination possibilities of the units help to solve control problems at an optimum. The outstanding features of the EK..series are:

- high shock-resistant and hardly inflammable plastic housings
- reliable contact-making
- easy and time-saving exchange of the driving devices

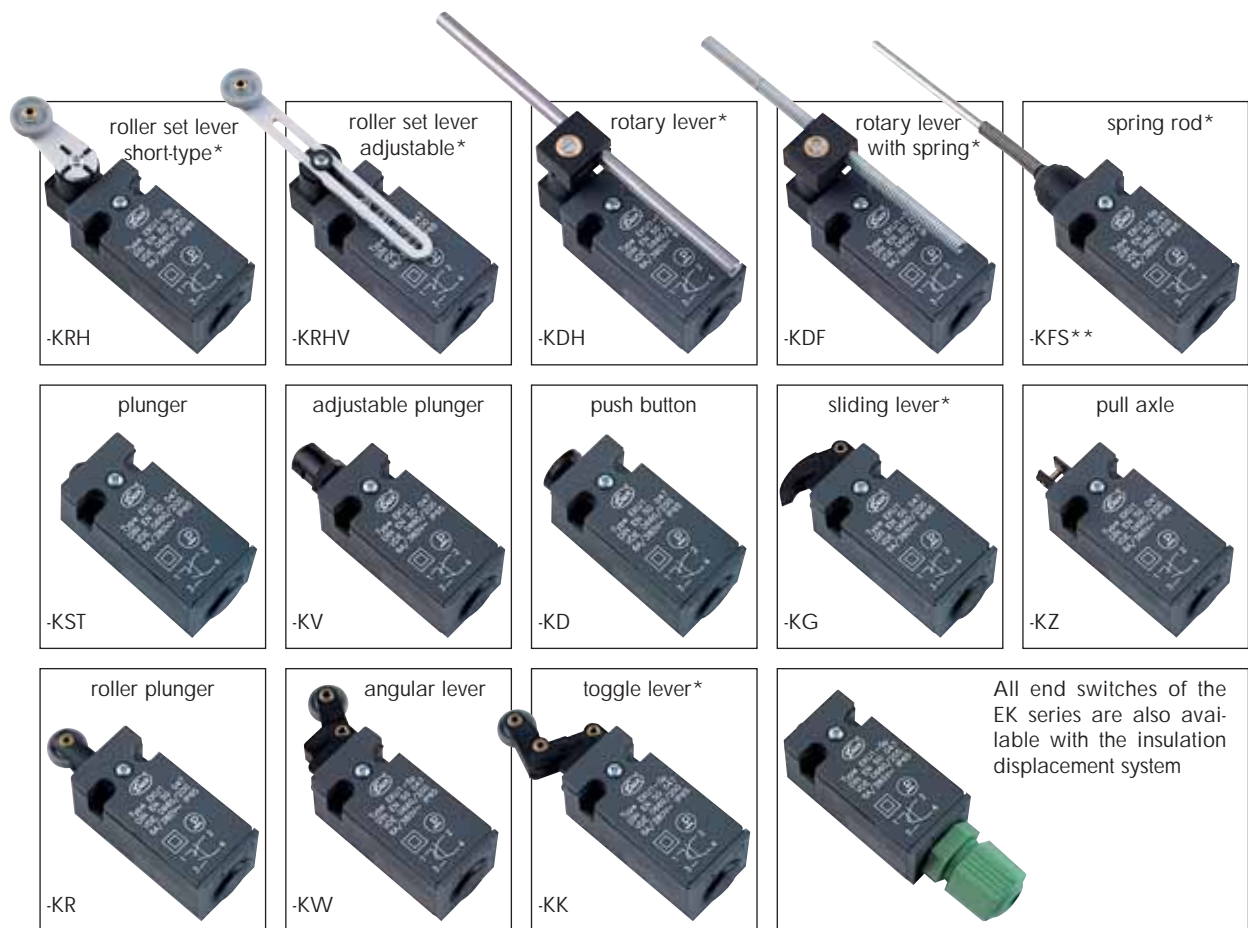
## Construction

The limit switches of the EK.. series consist of a basic element with plunger axle, plunger sealing, locking bolt, cover with sealing, the cover being fixed by a screw.

A multitude of driving devices are available which, depending on their direction of actuation, are adjustable by  $4 \times 90^\circ$ , thus allowing great flexibility in each case of application. Except the driving devices with a rigid connection to the switch axis such as the push button, pull axle, roller plunger and the adjustable plunger.

The standard type calls EKU1, limit switches with snap-action contacts are also available under type no. EKU1SP.

Both versions do have positive opening and can also be equipped with double contacts.



\* Note: different plunger

\*\* only available with snap-action contact

## Technical Data

Rated voltage	380V AC / 220V DC
Rated current	6A
Min. switching voltage	24V / snap-action contact: 12V
Min. switching current	0.02A / snap-action contact: 0.012A
Permissible on-load switching cycles	1200/h
Mechanical service life	1 x 10 <sup>7</sup> switching cycles
Operating force at plunger	10 N
Operating speed at plunger	max. 0.25m/s, min. 1mm/s AC, min. 20mm/s DC
Cross section for connection	2 x 0.75 ... 2 x 2.5 mm <sup>2</sup> solid 2 x 0.75 ... 2 x 1.5 mm <sup>2</sup> multiple wire with wire end ferrules
Screw connection	M 3.5
Fastening acc. to DIN EN 50047	2 x M4
Cable entry	PG11/M16
Protection type acc. to DIN 40050	IP 65
Construction	acc. to VDE 0660/200
Ambient conditions acc. to DIN IEC 721-3-3	stationary use at weatherproof locations 3D6/3Z2/3Z10/3B2/3C2/3S3/3M6 -25°C ... +55°C



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