Application

Snap-action contacts may be used for almost all applications.
Moreover, for high switching capacities, to avoid switching errors (e.g. by vibration) and for use in liquid filled measuring instruments, we recommend our pulse controlled multifunctional amplifiers of the "MSR" series.

These amplifiers are a special development for use with electromechanical limit value switches (re. catalogue group K 11).

A basic condition for safe switching will always be a clean, electrically conductive surface of the contact pins.

If used in liquid filled measuring instruments and in areas under a risk of explosion, the best solution will always be obtained by our inductive contacts (re. catalogue group K 03).

Available models

Snap-action contacts are available in 2 versions.

- DN 63 with a magnet holder and firmly glued magnets
- DN 100-160 with a magnet holder and screwed-in magnets.

We call these DN 100-160 models "KOMBI", because they may be used for both, snap-action (with screwed-in magnets) and low-action contacts (without screwed-in magnets, re. catalogue page K 02-00.010).
The appropriate magnets may be ordered individually from us and screwed-in by the user.

The technical data plate may be exchanged to adapt the electrical data to the model used.

Free shoulder screws to fasten the contacts will be supplied upon request (re. catalogue page K 13-40.020).

Technical data:

Rated operational voltage:	250 V max.	
Making and breaking current:	1.0 A max.*	
Permanent current:	0.6 A max.*	
Switching capacity:	**DC** 30 W max.	**AC** 50 VA cos. φ > 0,7 max. *
Contact material (standard):	Ag80 Ni20 (special material against a price supplement)	
Creep and air distances:	acc. to EN 60947-1:1991, overvoltage category III, pollution degree 2	
Ambient temperature:	-20°C to +70°C	
Setting range:	280° max.	
Voltage test :	circuit/protective earth conductor	2000 VAC 1 minute
	circuit / circuit	2000 VAC 1 minute

Definition: Snap action contacts are auxiliary current switches in accordance with EN 60947-5-1 (IEC 947-5-1)

Standards: EN 60947-1 EN 60947-1A11 EN 60947-5-1

Recommended short-circuit protection device:

U	normal hair springs			light hair springs		
	DN 63	DN 100	DN 160	DN 63	DN 100	DN 160
24 V	1,0 A	2 A	2 A	0,63 A	1 A	1 A
250 V	0,63A	1 A	1 A	0,315 A	0,63 A	0,63 A
All data stated in connection with fuses refer to fuses (m) and a maximum short circuit current of < 100 A.						

* The validity of the technical data is subject to the fitting instructions described on catalogue page K 14-10.041 R.
For contacts with light hair springs the nominal operating currents must be reduced to half of their values because of the narrow cross cut of the hair spring.

Quality and operation of the contacts are subject to supervision within the scope of our internal inspections.

For rated operational voltages of ≥ 50 V AC or ≥ 75 V DC the contacts are subject to the low voltage directive.

For load tables applicable to limit value switches kindly refer to catalogue page K 14-10.010.

Availability:

- DN 63 up to double
- DN 100 up to quadruple
- DN 160 up to quadruple