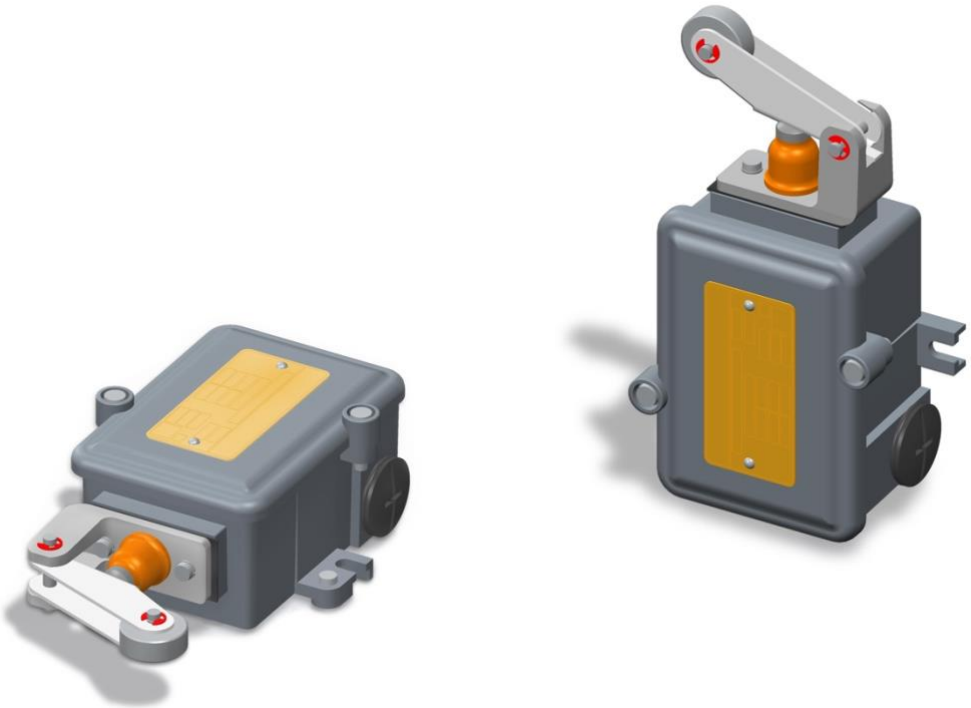
Elektrotechnische Geräte
Böhlitz-Ehrenberg GmbH

Overtravel Control Switch



We offer:

- **Sale of individual switches and small series with extremely short delivery times**
- **Spare parts and replacement service, including modernisation of existing systems with our range of switches**

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Low-voltage switchgears from EGB

Our limit switches are used in construction machinery and machine tools, in conveyor and crane systems and in a wide range of different industrial applications. Our switches are used for the automatic control of electrically driven devices, e.g. for lifting, lowering, travelling and rotating movements, for controlling work processes such as electrical locking, for triggering safety and signalling systems and for limiting the end position of movement processes.

Overtravel Control Switch

Limit switches are machine-operated switches that are used to control work processes, to trigger safety and signalling systems and to limit the end position of movement processes. They are mainly used on conveyor and crane systems as well as on construction and machine tools. A robust cast enclosure ensures safety and reliable function over a long service life even under the most difficult environmental conditions, such as wetness, dust and extremely high mechanical stresses. The switches can be actuated both in the direction of the plunger and laterally via switching cams or switching rulers. Plungers, roller plungers or roller levers can be used as actuating elements.

Technical data

Mechanical lifetime:	min. 1.000.000 switching cycles
Electrical lifetime:	min. 20.000.000 switching cycles
Switching frequency:	240/h
Rated voltage:	500 VAC / 230 VDC
Max. inrush current:	AC 15/230 VAC/10 A DC 13/110 VDC/1,0 A
Intrinsic safety:	IP56 (IP66 – special purpose)
Forced separation of contacts:	acc. to VDE 0660 T200 / VDE 0113 / IEC 204-1 / DIN EN 60204
Case size:	1 to 3 (acc. to the maximum number of switching elements)
Environmental temperature:	-30°C – +80°C
Installation position:	Any possible position

Parameters

Operating attachment / Starting angle:
- Ram (S) / 30°
- Roller ram (R) / 30°
- Roller lever (H) / 55° (right) 35° (left)

Operating force (N):

Snap Action switch

	1-pole	2-poles	3-poles
Ram (S)	10	19	28
Roller ram (R)	8	14	21
Roller lever (H)	4	7	11

Push Button Switch

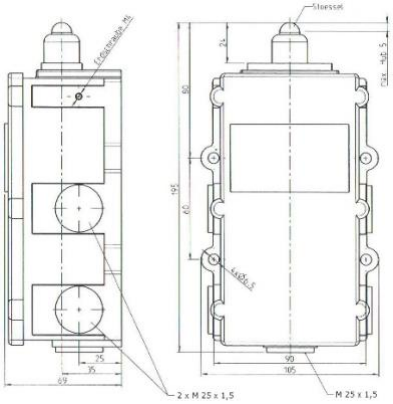
	1-pole	2-poles	3-poles
Ram(S)	8	18	20
Roller ram (R)	7	12	16
Roller level (H)	4	7	9

Cable entry:
2x M25x1,5 (1 and 2-poles)
1x M32x1,5 (2-poles)
5x M25x1,5 (3-poles)

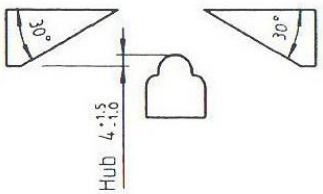
Housing and actuator:

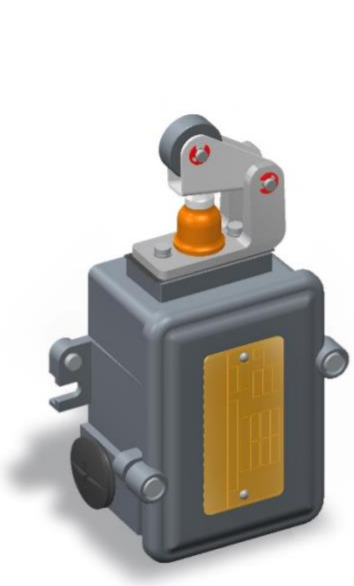
Ram (S)

Illustration of the housing size 3



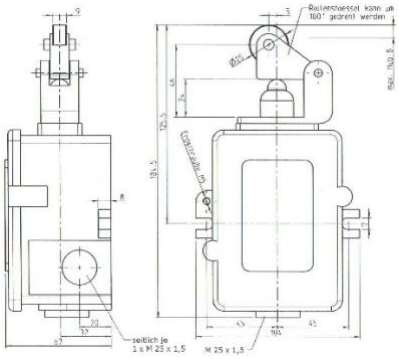
Starting angel



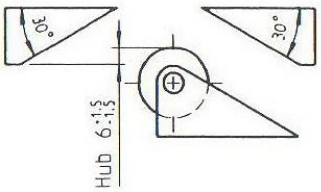


Roller ram (R)

Illustration of the housing size 2

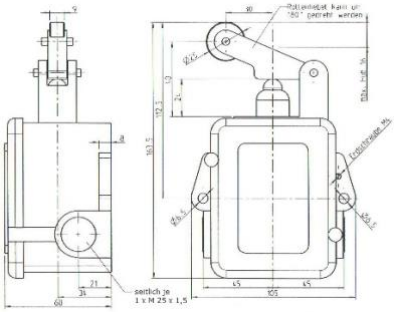


Starting angel

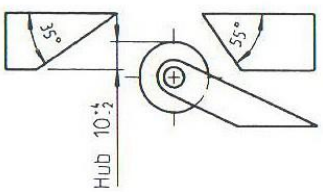


Roller level (H)

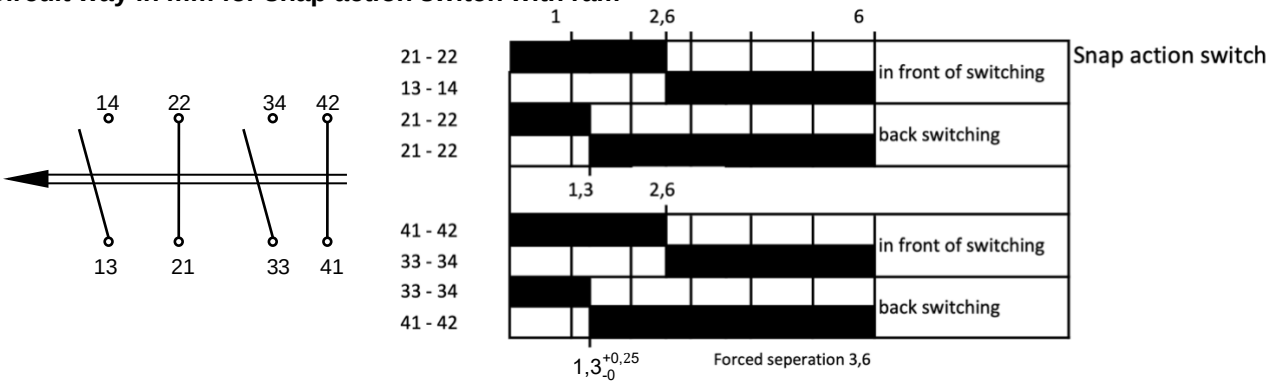
Illustration of the housing size 1



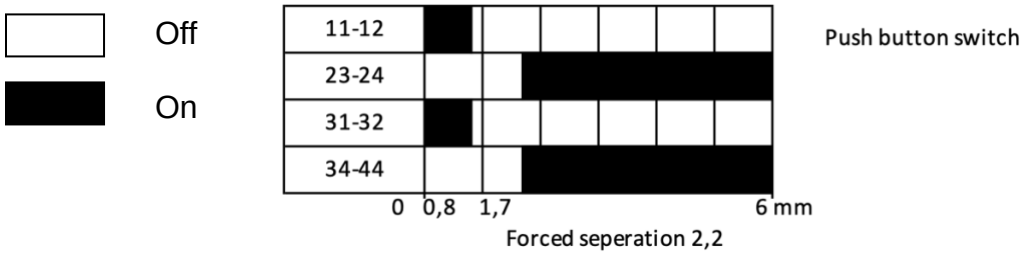
Starting angel



Circuit way in mm for snap action switch with ram



Circuit way in mm for push button switch with ram



Pay attention, that the max. circuit way of ram is 6 mm. A movement over this 6 mm destroys the contact element or the case of the switch. You can adapt the circuit point through moving the base plate with the contact element, inside the known limit, after having built on the switch.

Order key for overtravel control switch

Example for order **SP** **A** **1.1** **H** **IP 56**

Switch type
- SP: snap action switch
- T: push button switch

Case type
- A: case size 1
  only for circuit element 1.1
- B: case size 2
  for circuit element 1.1 and 2.2
- C: case size 3
  for all circuit elements

Circuit elements
- 1.1: 1 normally open contact, 1 normally closed contact
- 2.2: 2 normally open contacts, 2 normally closed contacts
- 3.3: 3 normally open contacts, 3 normally closed contacts

operating attachment
- S: Ram
- R: Roller ram
- H: Roller level

Intrinsic safety

Elektrotechnische Geräte
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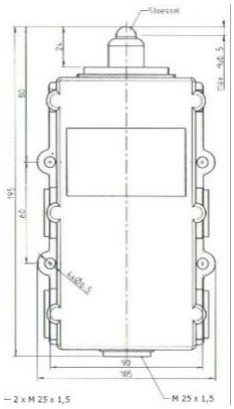
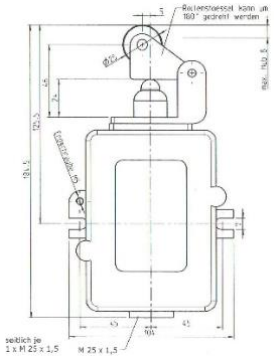
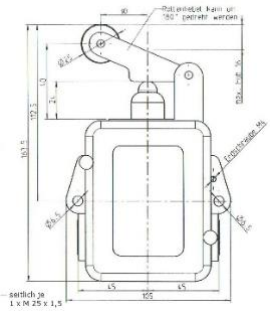
EGB, from the idea to realisation - everything from a single source

Whether project planning and original equipment, modernisation, maintenance or repair, as a system supplier EGB offers its customers a comprehensive all-round service with expert advice.

With almost 100 years of experience in development and production as well as installation and commissioning, we are the right partner to realise your projects. The switches shown here are just a small selection from our extensive portfolio of electrotechnical components, which includes spindle limit switches and lever limit switches as well as slip ring assemblies and hose and cable reels.



Visit us at:

www.egb-be.de

info@egb-be.de

+49 341 44 81 0

Ludwig-Hupfeld-Straße 6, 04178 Leipzig, Germany