

Low profile, high flexibility and IP67 protection

The new compact IF switch

More space, more protection, more freedom.

Roller plunger actuator - panel mounting



Roller plunger actuator



Plunger actuator - panel mounting

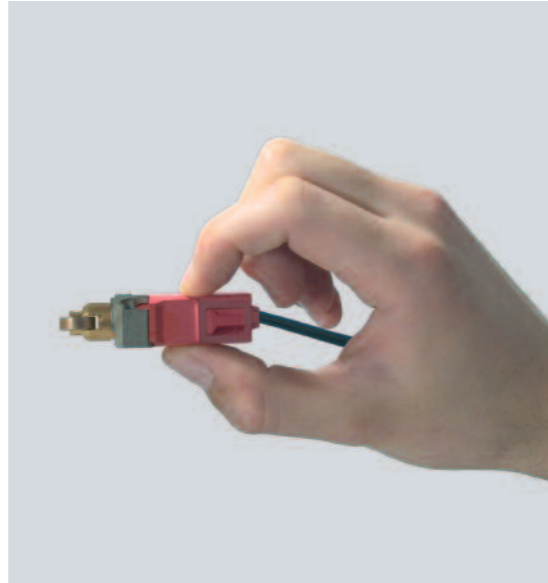


Plunger actuator



Where space is restricted and high ingress protection is required, most limit switches are flawed. This does not apply to the new IF switch from Bernstein. With very slim dimensions and overall IP67 protection, they are a perfect solution for either position indication or safety applications.

- Very low profile
- Many switching functions
- Type of protection IP67
- Integrated 2-metre cable or AMP4 connector
- High-quality plastic housing
- Rugged metal actuator and mounting block
- All NC contacts with positive opening ⊖
- Galvanically insulated contacts, form Zb



Roller lever actuator



Simply lifting the IF switch mounting boss allows the actuator to be easily rotated to the desired position, saving both time and money.



Plunger actuator



In practice adaptability is the key, and this is where the Bernstein range of IF switches really excel, the innovative modular construction provides extreme flexibility in both application and installation.

- Simplified stock holding:
The operating direction can be changed quickly and easily
- Standard actuation equipment:
plunger actuator, roller plunger actuator (with selectable operating direction), roller lever actuator (with adjustable operating direction), plunger actuator and roller plunger actuator for panel mounting as well M14 (SW21)
- Mounting:
2 x M4 screws for adjustment in elongated holes
2 x M5 screws for safety applications
Type-related front attachment



Plunger actuator - panel mounting



Roller plunger actuator



As a standard feature, all IF switches can be supplied with an integrated cable or an with an AMP4 plug-type connector.

Actuator variants



Plunger actuator ... iw

Roller plunger actuator ... Riw

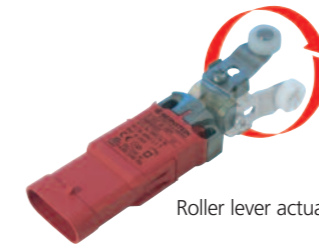
Roller lever actuator ... AH

Plunger actuator - panel mounting ... iwF

Roller plunger actuator - panel mounting ... RiwF



AMP4 plug-type connector.
Designation: AN-KAB.IF_5M_AMP4.
Article number: 325.1204.281



Roller lever actuator.



Roller plunger actuator - panel mounting

With integrated 2-metre cable

Article number	Type designation	Article number	Type designation	Article number	Type designation
608.9102.001	IF-U1Z iw	608.9152.006	IF-SU1Z iw	608.9802.011	IF-A2Z iw
608.9117.002	IF-U1Z Riw	608.9167.007	IF-SU1Z Riw	608.9817.012	IF-A2Z Riw
608.9135.003	IF-U1Z AH	608.9185.008	IF-SU1Z AH	608.9835.013	IF-A2Z AH
608.9102.004	IF-U1Z iwF	608.9152.009	IF-SU1Z iwF	608.9802.014	IF-A2Z iwF
608.9117.005	IF-U1Z RiwF	608.9167.010	IF-SU1Z RiwF	608.9817.015	IF-A2Z RiwF
608.9117.031	IF-U1Z RiwF 90GR	608.9167.032	IF-SU1Z RiwF 90GR	608.9817.033	IF-A2Z RiwF 90GR
1NO/1NC Slow make/break		1NO/1NC Snap-action		2NC slow make/break	

With plug type connector AMP4

Article number	Type designation	Article number	Type designation	Article number	Type designation
608.9102.016	IF-U1Z iw AMP4	608.9152.021	IF-SU1Z iw AMP4	608.9802.026	IF-A2Z iw AMP4
608.9117.017	IF-U1Z Riw AMP4	608.9167.022	IF-SU1Z Riw AMP4	608.9817.027	IF-A2Z Riw AMP4
608.9135.018	IF-U1Z AH AMP4	608.9185.023	IF-SU1Z AH AMP4	608.9835.028	IF-A2Z AH AMP4
608.9102.019	IF-U1Z iwF AMP4	608.9152.024	IF-SU1Z iwF AMP4	608.9802.029	IF-A2Z iwF AMP4
608.9117.020	IF-U1Z RiwF AMP4	608.9167.025	IF-SU1Z RiwF AMP4	608.9817.030	IF-A2Z RiwF AMP4
608.9117.034	IF-U1Z RiwF 90GR AMP4	608.9167.035	IF-SU1Z RiwF 90GR AMP4	608.9817.036	IF-A2Z RiwF 90GR AMP4
1NO/1NC Slow make/break		1NO/1NC Snap-action		2NC slow make/break	

Additional limit switches in the Bernstein programme

Plastic encapsulated



- C2
– Smallest switch for safety applications



- Ti2
– optimised component size retaining the standard connection techniques with type of protection IP65



- I88
– switch standardised in keeping with DIN EN 50047



- IF
– ultra-flat and flexible with type of protection IP67
– metal actuators



- ENK
– switch standardised in keeping with DIN EN 50041
– metal actuators



- Bi2
– two cable entries
M 16 x 1.5

Metal encapsulated



- GC
– slim-line construction



- ENM2
– switch standardised in keeping with DIN EN 50041



- SN2
– three cable entries
M 20 x 1.5



- D
– heavy-duty metal housing for arduous applications

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