

Bi2- Series

Larger Plastic Body

Position & Limit Switches



Position & Limit Switches

Bi2 Series - Plastic Body



Product characteristics

- Protection class IP65 according to VDE 0470 T1
- Enclosure and cover PA 6, self-extinguishing (UL-94 V0)
- Actuator turnable by 4 x 90°
- Cable entry 2 x M16 x 1.5
- Connection designation conforming to DIN EN 50013

Good to know ...

Due to its two cable entry slots, this switch is ideally suited for the connection of two cables. A large number of actuators are available. Please do not hesitate to contact us for support in choosing the best solution for your application.

Options

- Available with M12 plug
- Preassembled with customer-specific cables and connectors on request



Position & Limit Switches

Bi2 Series - Plastic Body

Technical design

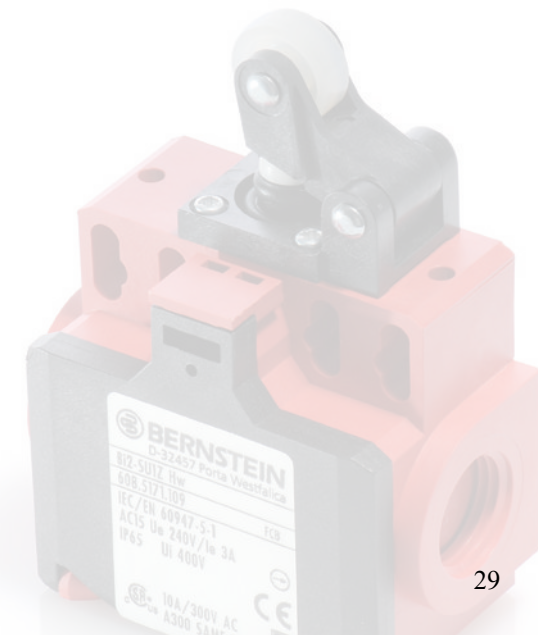
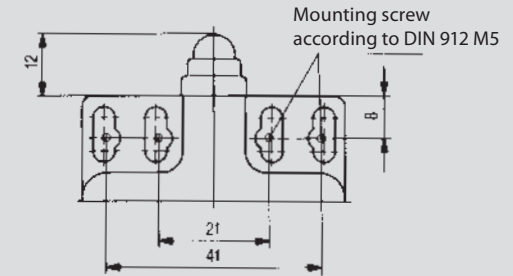
- Slow- and snap action
- **Versions:** 1 NC/1 NO, 2 NC

Technical data

Electrical data		
Design insulation voltage	U_i max.	400 V AC
Conventional thermoelectric current ^①	I_{the}	10 A
Rated operating voltage	U_e max.	240 V AC
Utilisation category		AC15, U_e/I_e 240 V/3 A
Short-circuit protection (up to) ^①		Safety fuse 10 A gL/gG
Protection class		II, protective insulation
Mechanical data		
Enclosure material		Thermoplastics, glass-fibre reinforced
Ambient temperature		-30 °C to +80 °C
Mechanical lifetime (up to) ^①		10 x 10 ⁶ switching cycles
B10d (up to) ^①		20 million
Switching frequency		≤ 100/min.
Type of connection		Screwed terminals
Conductor cross-sections		Single-wire 0.5 – 1.5 mm ² or strand with wire-end ferrule 0.5 – 1.5 mm ²
Cable entry		2 x M16 x 1.5
Protection class		IP65 conforming to EN 60529; DIN VDE 0470 T1
Standards		
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1		
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1		
① Depending on the switching system		

Mounting

- 2 M4 oval holes (distance 22 mm) for adjustment
- 2 M4 oval holes (distance 42 mm) for adjustment
- 2 M5 round holes (distance 21 mm) for security applications
- 2 M5 round holes (distance 41 mm) for safety applications without additional fixation required
- Front mounting

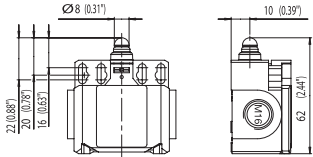


Position & Limit Switches

Bi2 Series - Plastic Body

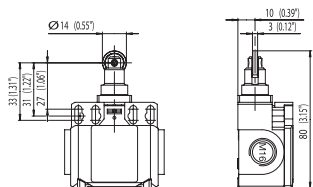


Bi2-... W



	1 NC / 1 NO	2 NC	1 NC / 1 NO overlapping
Slow-action system	6085103100 Bi2-U1Z W 	6085803116 Bi2-A2Z W 	6085303115 Bi2-UV1Z W
Snap-action system	6085153107 Bi2-SU1Z W 		

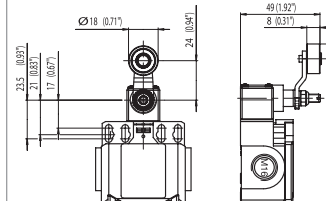
Bi2-... RIW



	1 NC / 1 NO	1 NC / 1 NO
Slow-action system	6085117101 Bi2-U1Z RIW 	6085135104 Bi2-U1Z AH
Snap-action system	6085167108 Bi2-SU1Z RIW 	6085185111 Bi2-SU1Z AH

Special feature (on request): with steel roller

Bi2-... AH



	1 NC / 1 NO
Slow-action system	6085135104 Bi2-U1Z AH
Snap-action system	6085185111 Bi2-SU1Z AH

Special features (on request):
 available with different actuating directions; with steel roller;
 various roller diameters; cranked or straight lever; various lever lengths

Position & Limit Switches

Bi2 Series - Plastic Body

Bi2-... AV



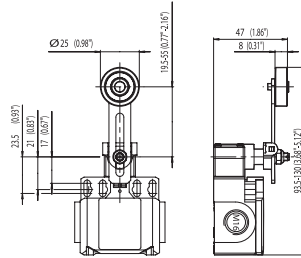
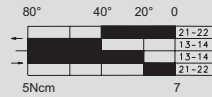
1 NC / 1 NO

Slow-action system



Snap-action system

6085186112
Bi2-SU1 AV



Bi2-... HW RO13.5



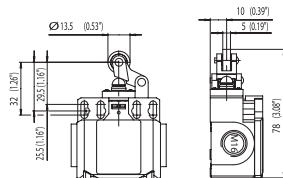
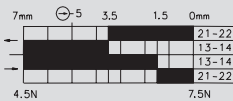
1 NC / 1 NO

Slow-action system



Snap-action system

6085171109
Bi2-SU1Z HW RO13.5



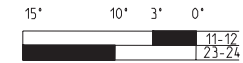
Bi2-... FF



1 NC / 1 NO

Slow-action system

6185140104
Bi2-U1 FF

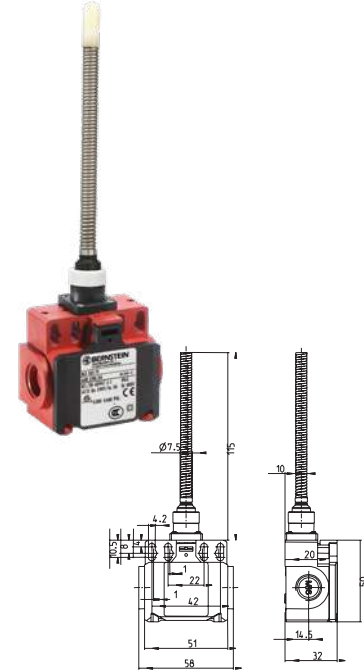


Snap-action system

6085190114
Bi2-SU1 FF



Special features (on request):
available with different spring lengths; spring rod; various spring versions



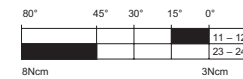
Bi2-... AD



1 NC / 1 NO

Slow-action system

6085137106
Bi2-U1 AD



Snap-action system

6085187113
Bi2-SU1 AD

