

Electrical Connection

BP1: one cable inlet for PG 13,5 Cable Gland

BP2: one cable inlet for 1/2" NPT Cable Gland

BP5: one cable inlet for M20 x 1,5 Cable Gland



Operating Head Type

H11 - Plain steel plunger

H12 - Steel ball plunger

H13 - Steel roller plunger

Conformity / \rightarrow (N.C. contact with positive opening operation)
Max actuation speed [m/s]
Min. force [N] or torque [Nm]: actuation / positive opening operation

EN 50041

0,5
14 / 40



EN 50041

0,5
14 / 40


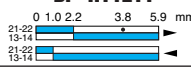
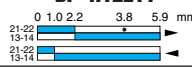
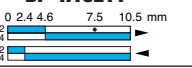

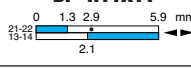
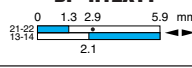
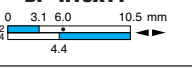

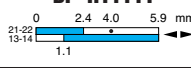
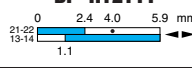
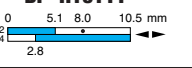

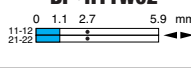
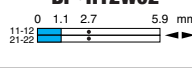
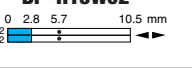

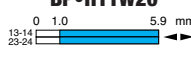
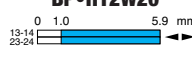



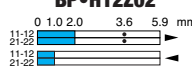
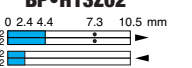

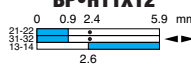
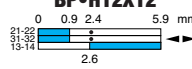
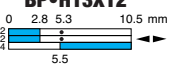

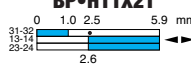
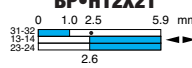
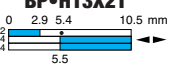



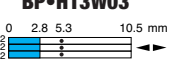



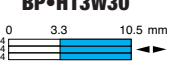


EN 50041

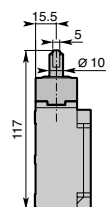
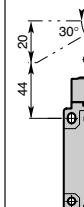
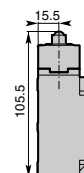
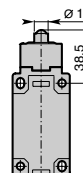
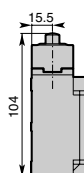
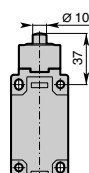
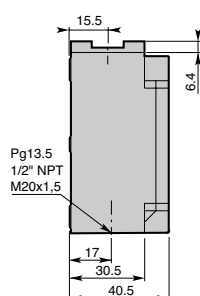
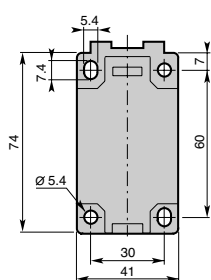
0,5
14 / 40



Additional Technical Datas

Z11 Snap Action Contacts (1NO + 1NC)		Zb	Order Code	BP•H11Z11		BP•H12Z11		BP•H13Z11	
X11 Non overlapping Slow Action Contacts (1NO + 1NC)		Zb	Order Code	BP•H11X11		BP•H12X11		BP•H13X11	
Y11 Overlapping Slow Action Contacts (1NO + 1NC)		Zb	Order Code	BP•H11Y11		BP•H12Y11		BP•H13Y11	
W02 Slow Action Contacts (2NC)		Zb	Order Code	BP•H11W02		BP•H12W02		BP•H13W02	
W20 Slow Action Contacts (2NO)		Zb	Order Code	BP•H11W20		BP•H12W20		BP•H13W20	
Z02 Snap Action Contacts (2NC)		Zb	Order Code	BP•H11Z02		BP•H12Z02		BP•H13Z02	
X12 Non overlapping Slow Action Contacts (1NO + 2NC)		Zb	Order Code	BP•H11X12		BP•H12X12		BP•H13X12	
X21 Non overlapping Slow Action Contacts (2NO + 1NC)		Zb	Order Code	BP•H11X21		BP•H12X21		BP•H13X21	
W03 Simultaneous Slow Action Contacts (3NC)		Zb	Order Code	BP•H11W03		BP•H12W03		BP•H13W03	
W30 Simultaneous Slow Action Contacts (3NO)		Zb	Order Code	BP•H11W30		BP•H12W30		BP•H13W30	
Weight (packing per unit)			[kg]	0,145		0,145		0,150	

Dimensions (in mm)





H14 - Plain steel plunger with dust protection cup

H19 - Steel roller plunger with dust protection cup

H3• - One way lever

H3• - One way lever with dust protection cup

H4• - Ø 22 roller lever

H31: Ø22 nylon roller
H32: Ø22 stainless steel roller
H33: Ø22 steel ball bearing

H35: Ø22 nylon roller
H36: Ø22 stainless steel roller
H37: Ø22 steel ball bearing

H41: nylon roller
H42: stainless steel roller
H43: steel ball bearing

EN 50041

0,5
14 / 40



EN 50041

0,5
14 / 40



1,0
8 / 30



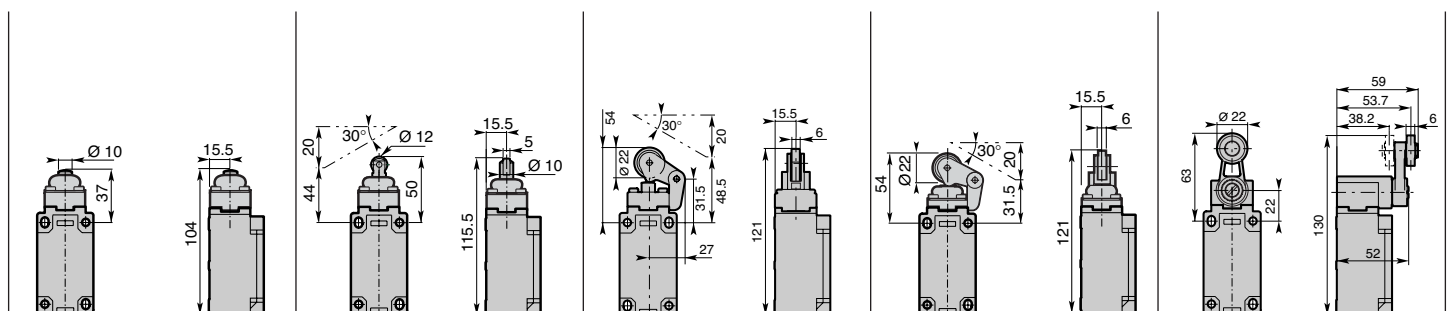
1,0
8 / 30



EN 50041
1,5
0,15 / 0,30



 0 1.0 2.2 3.8 5.9 mm	 0 2.4 4.6 7.5 10.5 mm	 0 3.8 6.8 11.3 17.0 mm	 0 3.8 6.8 11.3 17.0 mm	 0 19° 31° 47° 90°
 0 1.3 2.9 5.9 mm 2.1	 0 3.1 6.0 10.5 mm 4.4	 0 4.9 9.4 17.0 mm 6.3	 0 4.9 9.4 17.0 mm 6.3	 0 21° 37° 90° 30°
 0 2.4 4.0 5.9 mm 1.1	 0 5.1 8.0 10.5 mm 2.8	 0 7.6 12.1 17.0 mm 4.4	 0 7.6 12.1 17.0 mm 4.4	 0 34° 50° 90° 19°
 0 1.1 2.7 5.9 mm	 0 2.8 5.7 10.5 mm	 0 4.4 8.9 17.0 mm	 0 4.4 8.9 17.0 mm	 0 19° 35° 90°
 0 1.0 5.9 mm	 0 2.6 10.5 mm	 0 4.0 17.0 mm	 0 4.0 17.0 mm	 0 18° 90°
 0 1.0 2.0 3.6 5.9 mm	 0 2.4 4.4 7.3 10.5 mm	 0 3.8 6.6 11.1 17.0 mm	 0 3.8 6.6 11.1 17.0 mm	 0 19° 30° 46° 90°
 0 0.9 2.4 5.9 mm 2.6	 0 2.8 5.3 10.5 mm 5.5	 0 3.7 7.5 17.0 mm 7.7	 0 3.7 7.5 17.0 mm 7.7	 0 16° 33° 90° 35°
 0 1.0 2.5 5.9 mm 2.6	 0 2.9 5.4 10.5 mm 5.5	 0 4.0 7.6 17.0 mm 7.7	 0 4.0 7.6 17.0 mm 7.7	 0 17° 34° 90° 35°
 0 0.9 2.4 5.9 mm	 0 2.8 5.3 10.5 mm	 0 3.7 7.5 17.0 mm	 0 3.7 7.5 17.0 mm	 0 16° 33° 90°
 0 1.3 5.9 mm	 0 3.3 10.5 mm	 0 4.8 17.0 mm	 0 4.8 17.0 mm	 0 21° 90°
0,145	0,150	0,185	0,180	0,200



Electrical Connection

BP1: one cable inlet for PG 13,5 Cable Gland

BP2: one cable inlet for 1/2" NPT Cable Gland

BP5: one cable inlet for M20 x 1,5 Cable Gland

Operating Head Type



H44 - Ø 50 rubber roller lever



H5 - Adjustable Ø 22 roller lever

H51: nylon roller
H52: stainless steel roller
H53: steel ball bearing



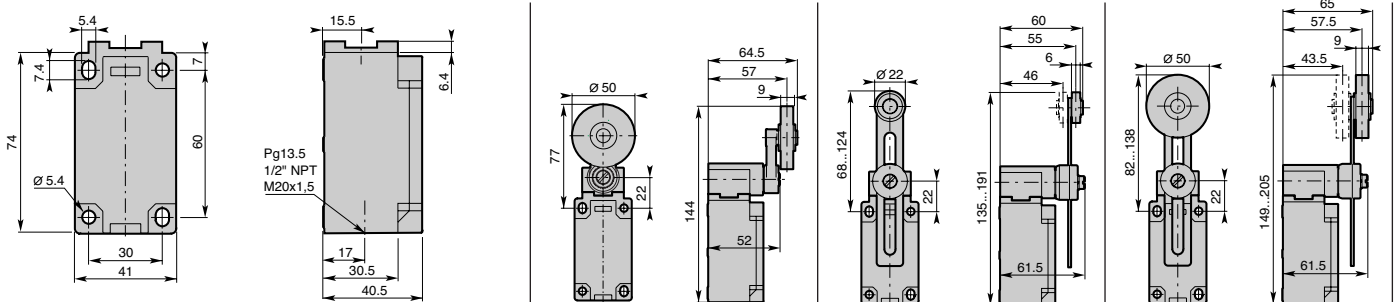
H54 - Adjustable Ø 50 rubber roller lever

Conformity / \ominus (N.C. contact with positive opening operation)			
Max actuation speed [m/s]	1,5	1,5	1,5
Min. force [N] or torque [Nm]: actuation / positive opening operation	0,15 / 0,30	0,15 / 0,30	0,15 / 0,30

Additional Technical Datas

Order Code	BP•H44Z11	BP•H5•Z11	BP•H54Z11
Z11 Snap Action Contacts (1NO + 1NC)			
X11 Non overlapping Slow Action Contacts (1NO + 1NC)			
Y11 Overlapping Slow Action Contacts (1NO + 1NC)			
W02 Slow Action Contacts (2NC)			
W20 Slow Action Contacts (2NO)			
Z02 Snap Action Contacts (2NC)			
X12 Non overlapping Slow Action Contacts (1NO + 2NC)			
X21 Non overlapping Slow Action Contacts (2NO + 1NC)			
W03 Simultaneous Slow Action Contacts (3NC)			
W30 Simultaneous Slow Action Contacts (3NO)			
Weight (packing per unit) [kg]	0,205	0,195	0,205

Dimensions (in mm)





H61 - Nylon actuator with stainless steel spring

1,5
0,15 / -



H62 - Stainless steel spring actuator

1,5
0,15 / -



H7 - Adjustable rod lever

H71: stainless steel rod Ø3
H73: fiberglass rod Ø3
H75: square steel rod 3x3

1,5
0,15 / 0,30



H7 - Adjustable Ø 6 rod lever

H72: nylon rod
H74: fiberglass rod

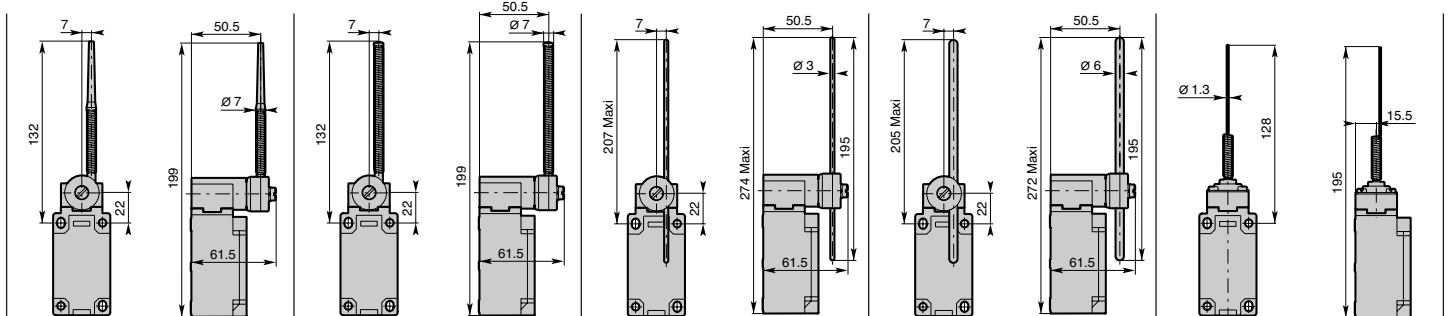
1,5
0,15 / 0,30



H91 - Stainless steel spring multidirectional actuator

1,0
0,18 / -

 BP•H61Z11 0 19° 31° 90° 21-22 13-14 13-14	 BP•H62Z11 0 19° 31° 90° 21-22 13-14 13-14	 BP•H7•Z11 0 19° 31° 47° 90° 21-22 13-14 13-14	 BP•H7•Z11 0 19° 31° 47° 90° 21-22 13-14 13-14	 BP•H91Z11 0 15° 27° 21-22 13-14 13-14
 BP•H61X11 0 21° 90° 21-22 13-14 30°	 BP•H62X11 0 21° 90° 21-22 13-14 30°	 BP•H7•X11 0 21° 37° 90° 21-22 13-14 30°	 BP•H7•X11 0 21° 37° 90° 21-22 13-14 30°	 BP•H91X11 0 18° 21-22 13-14 25°
 BP•H61Y11 0 34° 90° 21-22 13-14 19°	 BP•H62Y11 0 34° 90° 21-22 13-14 19°	 BP•H7•Y11 0 34° 50° 90° 21-22 13-14 19°	 BP•H7•Y11 0 34° 50° 90° 21-22 13-14 19°	 BP•H91Y11 0 30° 21-22 13-14 17°
 BP•H61W02 0 19° 90° 11-12 21-22	 BP•H62W02 0 19° 90° 11-12 21-22	 BP•H7•W02 0 19° 35° 90° 11-12 21-22	 BP•H7•W02 0 19° 35° 90° 11-12 21-22	 BP•H91W02 0 17° 11-12
 BP•H61W20 0 18° 90° 13-14 23-24	 BP•H62W20 0 18° 90° 13-14 23-24	 BP•H7•W20 0 18° 90° 13-14 23-24	 BP•H7•W20 0 18° 90° 13-14 23-24	 BP•H91W20 0 16° 13-14 23-24
 BP•H61Z02 0 19° 30° 90° 11-12 21-22 11-12 21-22	 BP•H62Z02 0 19° 30° 90° 11-12 21-22 11-12 21-22	 BP•H7•Z02 0 19° 30° 46° 90° 11-12 21-22 11-12 21-22	 BP•H7•Z02 0 19° 30° 46° 90° 11-12 21-22 11-12 21-22	 BP•H91Z02 0 15° 26° 11-12 21-22 11-12 21-22
 BP•H61X12 0 16° 90° 21-22 13-14 35°	 BP•H62X12 0 16° 90° 21-22 13-14 35°	 BP•H7•X12 0 16° 33° 90° 21-22 13-14 35°	 BP•H7•X12 0 16° 33° 90° 21-22 13-14 35°	 BP•H91X12 0 15° 21-22 13-14 32°
 BP•H61X21 0 17° 90° 31-32 13-14 23-24 35°	 BP•H62X21 0 17° 90° 31-32 13-14 23-24 35°	 BP•H7•X21 0 17° 34° 90° 31-32 13-14 23-24 35°	 BP•H7•X21 0 17° 34° 90° 31-32 13-14 23-24 35°	 BP•H91X21 0 16° 31-32 13-14 23-24 32°
 BP•H61W03 0 16° 90° 21-22 13-14 31-32	 BP•H62W03 0 16° 90° 21-22 13-14 31-32	 BP•H7•W03 0 16° 33° 90° 11-12 21-22 31-32	 BP•H7•W03 0 16° 33° 90° 11-12 21-22 31-32	 BP•H91W03 0 15° 11-12 21-22 31-32
 BP•H61W30 0 21° 90° 13-14 23-24	 BP•H62W30 0 21° 90° 13-14 23-24	 BP•H7•W30 0 21° 90° 13-14 23-24	 BP•H7•W30 0 21° 90° 13-14 23-24	 BP•H91W30 0 19° 13-14 23-24
0,190	0,195	0,185	0,185	0,150



Electrical Connection

BP1: one cable inlet for PG 13,5 Cable Gland

BP2: one cable inlet for 1/2" NPT Cable Gland

BP5: one cable inlet for M20 x 1,5 Cable Gland

Operating Head Type



H92 - Multidirectional nylon actuator with stainless steel spring

H93 - Stainless steel spring multidirectional actuator

Conformity / \ominus (N.C. contact with positive opening operation)
Max actuation speed [m/s]
Min. force [N] or torque [Nm]: actuation / positive opening operation

1,0
0,18 / -

1,0
0,18 / -

Additional Technical Datas

Dimensions (in mm)

