

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

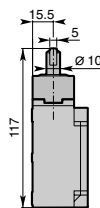
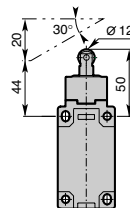
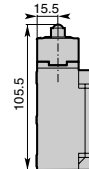
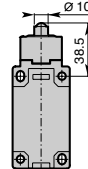
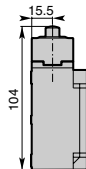
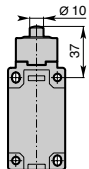
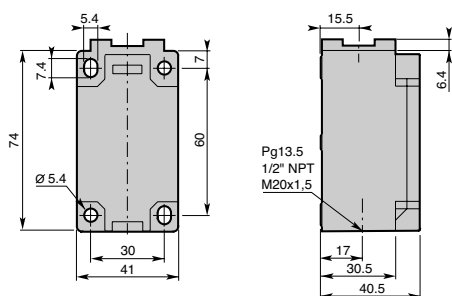
0,5
14 / 40



Additional Technical Datas

Z11 Snap Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BP•H11Z11 	BP•H12Z11 	BP•H13Z11
X11 Non overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BP•H11X11 	BP•H12X11 	BP•H13X11
Y11 Overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BP•H11Y11 	BP•H12Y11 	BP•H13Y11
W02 Slow Action Contacts (2NC)		Order Code Operation Diagram	BP•H11W02 	BP•H12W02 	BP•H13W02
W20 Slow Action Contacts (2NO)		Order Code Operation Diagram	BP•H11W20 	BP•H12W20 	BP•H13W20
Z02 Snap Action Contacts (2NC)		Order Code Operation Diagram	BP•H11Z02 	BP•H12Z02 	BP•H13Z02
X12 Non overlapping Slow Action Contacts (1NO + 2NC)		Order Code Operation Diagram	BP•H11X12 	BP•H12X12 	BP•H13X12
X21 Non overlapping Slow Action Contacts (2NO + 1NC)		Order Code Operation Diagram	BP•H11X21 	BP•H12X21 	BP•H13X21
W03 Simultaneous Slow Action Contacts (3NC)		Order Code Operation Diagram	BP•H11W03 	BP•H12W03 	BP•H13W03
W30 Simultaneous Slow Action Contacts (3NO)		Order Code Operation Diagram	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

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



H3• - One way lever with dust protection cup

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

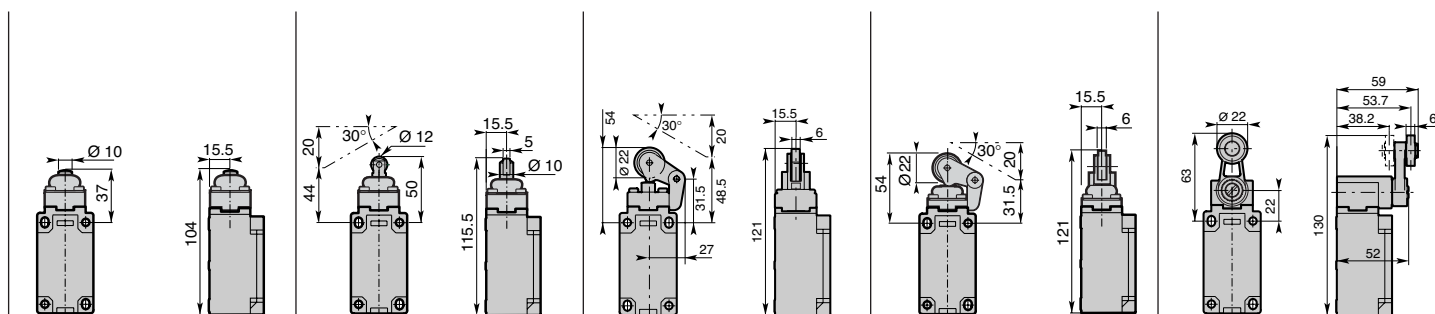


H4• - Ø 22 roller lever

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
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BP•H14Z11 	BP•H19Z11 	BP•H3•Z11 	BP•H3•Z11 	BP•H4•Z11
BP•H14X11 	BP•H19X11 	BP•H3•X11 	BP•H3•X11 	BP•H4•X11
BP•H14Y11 	BP•H19Y11 	BP•H3•Y11 	BP•H3•Y11 	BP•H4•Y11
BP•H14W02 	BP•H19W02 	BP•H3•W02 	BP•H3•W02 	BP•H4•W02
BP•H14W20 	BP•H19W20 	BP•H3•W20 	BP•H3•W20 	BP•H4•W20
BP•H14Z02 	BP•H19Z02 	BP•H3•Z02 	BP•H3•Z02 	BP•H4•Z02
BP•H14X12 	BP•H19X12 	BP•H3•X12 	BP•H3•X12 	BP•H4•X12
BP•H14X21 	BP•H19X21 	BP•H3•X21 	BP•H3•X21 	BP•H4•X21
BP•H14W03 	BP•H19W03 	BP•H3•W03 	BP•H3•W03 	BP•H4•W03
BP•H14W30 	BP•H19W30 	BP•H3•W30 	BP•H3•W30 	BP•H4•W30
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



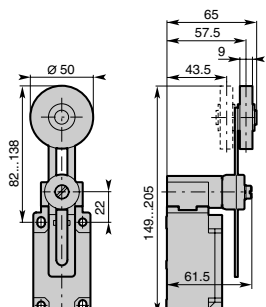
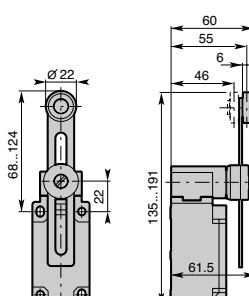
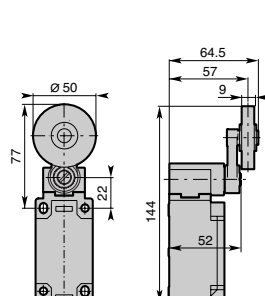
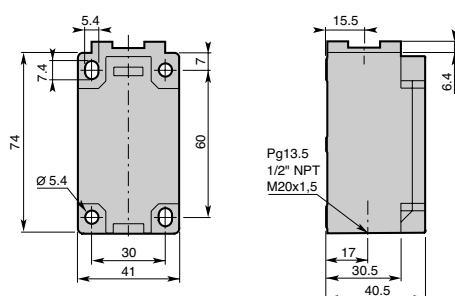
H54 - Adjustable Ø 50 rubber roller lever

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

Z11 Snap Action Contacts (1NO + 1NC)		Order Code	BP•H44Z11 	BP•H5•Z11 	BP•H54Z11
X11 Non overlapping Slow Action Contacts (1NO + 1NC)		Order Code	BP•H44X11 	BP•H5•X11 	BP•H54X11
Y11 Overlapping Slow Action Contacts (1NO + 1NC)		Order Code	BP•H44Y11 	BP•H5•Y11 	BP•H54Y11
W02 Slow Action Contacts (2NC)		Order Code	BP•H44W02 	BP•H5•W02 	BP•H54W02
W20 Slow Action Contacts (2NO)		Order Code	BP•H44W20 	BP•H5•W20 	BP•H54W20
Z02 Snap Action Contacts (2NC)		Order Code	BP•H44Z02 	BP•H5•Z02 	BP•H54Z02
X12 Non overlapping Slow Action Contacts (1NO + 2NC)		Order Code	BP•H44X12 	BP•H5•X12 	BP•H54X12
X21 Non overlapping Slow Action Contacts (2NO + 1NC)		Order Code	BP•H44X21 	BP•H5•X21 	BP•H54X21
W03 Simultaneous Slow Action Contacts (3NC)		Order Code	BP•H44W03 	BP•H5•W03 	BP•H54W03
W30 Simultaneous Slow Action Contacts (3NO)		Order Code	BP•H44W30 	BP•H5•W30 	BP•H54W30
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 Ø6 rod lever
H72: nylon rod
H74: fiberglass rod

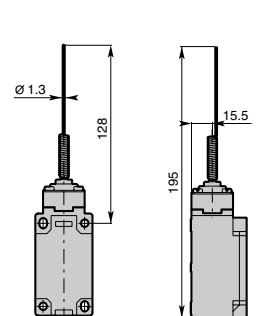
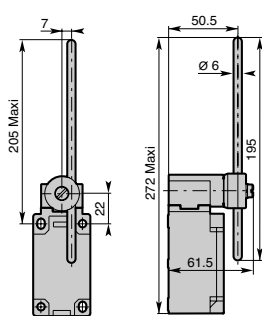
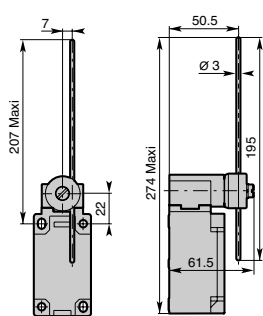
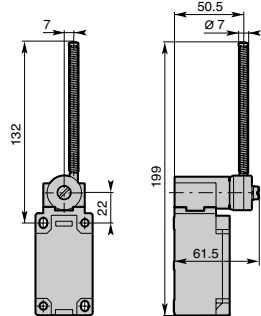
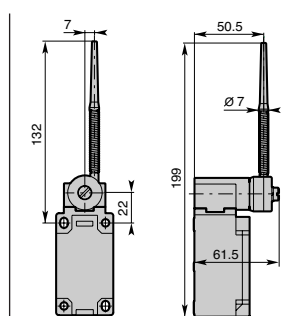
1,5
0,15 / 0,30



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° 25° 21-22 13-14
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° 17° 21-22 13-14
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 13-14	BP•H62Z02 0 19° 30° 90° 11-12 21-22 13-14	BP•H7•Z02 0 19° 30° 46° 90° 11-12 21-22 13-14	BP•H7•Z02 0 19° 30° 46° 90° 11-12 21-22 13-14	BP•H91Z02 0 15° 26° 11-12 21-22 13-14
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° 32° 21-22 13-14
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° 32° 31-32 13-14 23-24
BP•H61W03 0 16° 90° 11-12 21-22 13-14	BP•H62W03 0 16° 90° 11-12 21-22 13-14	BP•H7•W03 0 16° 33° 90° 11-12 21-22 13-14	BP•H7•W03 0 16° 33° 90° 11-12 21-22 13-14	BP•H91W03 0 15° 11-12 21-22 13-14
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

Z11 Snap Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BP•H92Z11 	BP•H93Z11
X11 Non overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BP•H92X11 	BP•H93X11
Y11 Overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BP•H92Y11 	BP•H93Y11
W02 Slow Action Contacts (2NC)		Order Code Operation Diagram	BP•H92W02 	BP•H93W02
W20 Slow Action Contacts (2NO)		Order Code Operation Diagram	BP•H92W20 	BP•H93W20
Z02 Snap Action Contacts (2NC)		Order Code Operation Diagram	BP•H92Z02 	BP•H93Z02
X12 Non overlapping Slow Action Contacts (1NO + 2NC)		Order Code Operation Diagram	BP•H92X12 	BP•H93X12
X21 Non overlapping Slow Action Contacts (2NO + 1NC)		Order Code Operation Diagram	P•H92X21 	BP•H93X21
W03 Simultaneous Slow Action Contacts (3NC)		Order Code Operation Diagram	BP•H92W03 	BP•H93W03
W30 Simultaneous Slow Action Contacts (3NO)		Order Code Operation Diagram	BP•H92W30 	BP•H93W30
Weight (packing per unit)	[kg]		0,155	0,160

Dimensions (in mm)

