

Electrical Connection

BM1: one cable inlet for PG 13,5 Cable Gland

BM2: one cable inlet for 1/2" NPT Cable Gland

BM5: one cable inlet for M20 x 1,5 Cable Gland



Operating Head Type

E11 - Stainless steel plain plunger

E12 - Stainless steel ball plunger

E13 - Stainless steel Ø 12 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
30 / 45



EN 50041

0,5
30 / 45


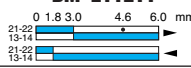
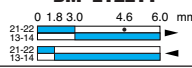
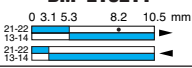

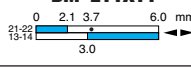
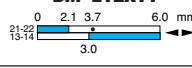
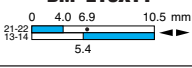

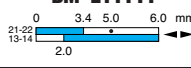
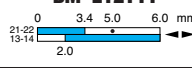
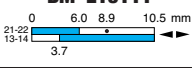

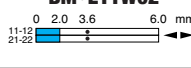
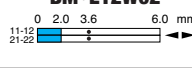
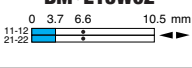


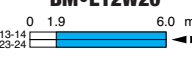


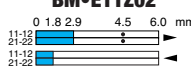
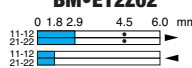
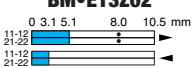
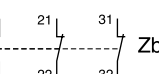
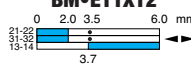
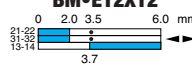
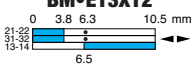
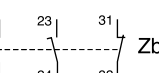
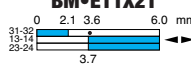
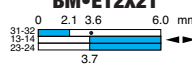
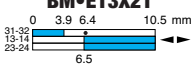
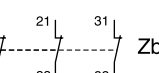
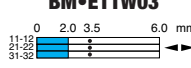
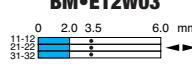
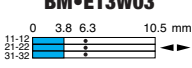
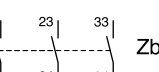
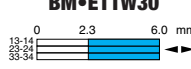
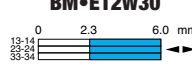
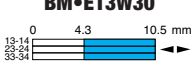


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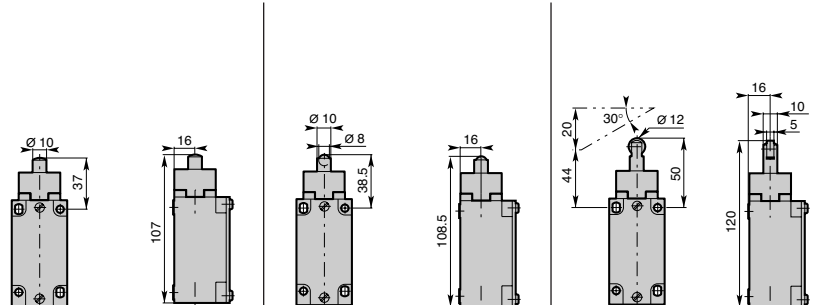
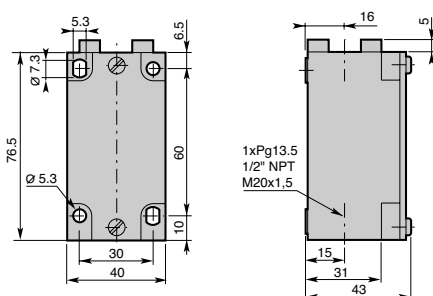
0,5
22 / 40



Additional Technical Datas

			E11 - Stainless steel plain plunger	E12 - Stainless steel ball plunger	E13 - Stainless steel Ø 12 roller plunger
Z11 Snap Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BM•E11Z11 	BM•E12Z11 	BM•E13Z11 
X11 Non overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BM•E11X11 	BM•E12X11 	BM•E13X11 
Y11 Overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BM•E11Y11 	BM•E12Y11 	BM•E13Y11 
W02 Slow Action Contacts (2NC)		Order Code Operation Diagram	BM•E11W02 	BM•E12W02 	BM•E13W02 
W20 Slow Action Contacts (2NO)		Order Code Operation Diagram	BM•E11W20 	BM•E12W20 	BM•E13W20 
Z02 Snap Action Contacts (2NC)		Order Code Operation Diagram	BM•E11Z02 	BM•E12Z02 	BM•E13Z02 
X12 Non overlapping Slow Action Contacts (1NO + 2NC)		Order Code Operation Diagram	BM•E11X12 	BM•E12X12 	BM•E13X12 
X21 Non overlapping Slow Action Contacts (2NO + 1NC)		Order Code Operation Diagram	BM•E11X21 	BM•E12X21 	BM•E13X21 
W03 Simultaneous Slow Action Contacts (3NC)		Order Code Operation Diagram	BM•E11W03 	BM•E12W03 	BM•E13W03 
W30 Simultaneous Slow Action Contacts (3NO)		Order Code Operation Diagram	BM•E11W30 	BM•E12W30 	BM•E13W30 
Weight (packing per unit)		[kg]	0,240	0,240	0,245

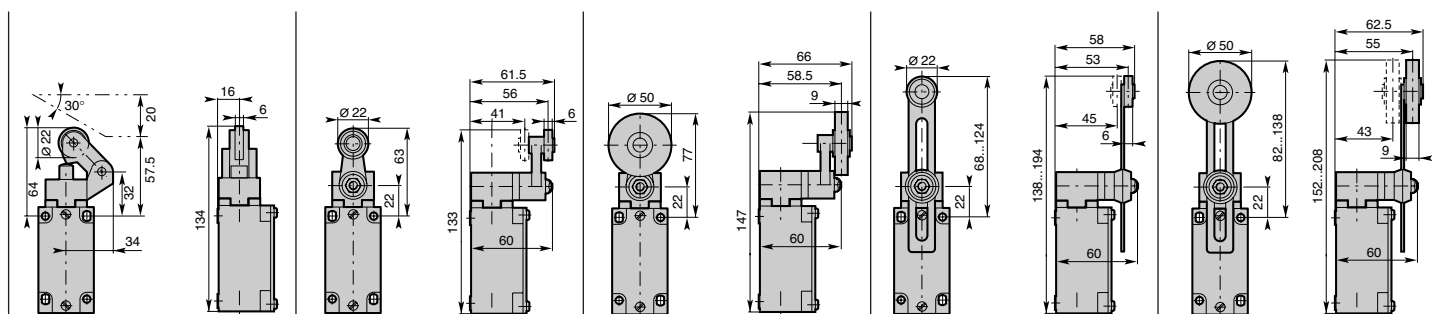
Dimensions (in mm)





<p>E3• - One way lever</p> <p>E31: Ø22 nylon roller E32: Ø22 stainless steel roller E33: Ø22 steel ball bearing</p> <p>1,5 12 / 40</p>	<p>E4• - Ø 22 roller lever</p> <p>E41: nylon roller E42: stainless steel roller E43: steel ball bearing</p> <p>EN 50041 1,5 0,15 / 0,30</p>	<p>E44 - Ø 50 rubber roller lever</p> <p>1,5 0,15 / 0,30</p>	<p>E5• - Adjustable Ø 22 roller lever</p> <p>E51: nylon roller E52: stainless steel roller E53: steel ball bearing</p> <p>1,5 0,15 / 0,30</p>	<p>E54 - Adjustable Ø 50 rubber roller lever</p> <p>1,5 0,15 / 0,30</p>
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<p>BM•E3•Z11</p> <p>0 3.1 6.3 10.8 15.5 mm</p> <p>21-22 13-14</p>	<p>BM•E4•Z11</p> <p>0 20° 33° 49° 78°</p> <p>21-22 13-14</p>	<p>BM•E44Z11</p> <p>0 20° 33° 49° 78°</p> <p>21-22 13-14</p>	<p>BM•E5•Z11</p> <p>0 20° 33° 49° 78°</p> <p>21-22 13-14</p>	<p>BM•E54Z11</p> <p>0 20° 33° 49° 78°</p> <p>21-22 13-14</p>
<p>BM•E3•X11</p> <p>0 4.5 9.0 15.5 mm</p> <p>21-22 13-14</p> <p>6.1</p>	<p>BM•E4•X11</p> <p>0 22° 38° 78°</p> <p>21-22 13-14</p> <p>33°</p>	<p>BM•E44X11</p> <p>0 22° 38° 78°</p> <p>21-22 13-14</p> <p>33°</p>	<p>BM•E5•X11</p> <p>0 22° 38° 78°</p> <p>21-22 13-14</p> <p>33°</p>	<p>BM•E54X11</p> <p>0 22° 38° 78°</p> <p>21-22 13-14</p> <p>33°</p>
<p>BM•E3•Y11</p> <p>0 7.2 11.7 15.5 mm</p> <p>21-22 13-14</p> <p>4.0</p>	<p>BM•E4•Y11</p> <p>0 37° 53° 78°</p> <p>21-22 13-14</p> <p>21°</p>	<p>BM•E44Y11</p> <p>0 37° 53° 78°</p> <p>21-22 13-14</p> <p>21°</p>	<p>BM•E5•Y11</p> <p>0 37° 53° 78°</p> <p>21-22 13-14</p> <p>21°</p>	<p>BM•E54Y11</p> <p>0 37° 53° 78°</p> <p>21-22 13-14</p> <p>21°</p>
<p>BM•E3•W02</p> <p>0 4.0 9.5 15.5 mm</p> <p>11-12 21-22</p>	<p>BM•E4•W02</p> <p>0 21° 37° 78°</p> <p>11-12 21-22</p>	<p>BM•E44W02</p> <p>0 21° 37° 78°</p> <p>11-12 21-22</p>	<p>BM•E5•W02</p> <p>0 21° 37° 78°</p> <p>11-12 21-22</p>	<p>BM•E54W02</p> <p>0 21° 37° 78°</p> <p>11-12 21-22</p>
<p>BM•E3•W20</p> <p>0 3.6 15.5 mm</p> <p>13-14 23-24</p>	<p>BM•E4•W20</p> <p>0 20° 78°</p> <p>13-14 23-24</p>	<p>BM•E44W20</p> <p>0 20° 78°</p> <p>13-14 23-24</p>	<p>BM•E5•W20</p> <p>0 20° 78°</p> <p>13-14 23-24</p>	<p>BM•E54W20</p> <p>0 20° 78°</p> <p>13-14 23-24</p>
<p>BM•E3•Z02</p> <p>0 3.1 6.1 10.6 15.5 mm</p> <p>11-12 21-22</p>	<p>BM•E4•Z02</p> <p>0 20° 32° 48° 78°</p> <p>11-12 21-22</p>	<p>BM•E44Z02</p> <p>0 20° 32° 48° 78°</p> <p>11-12 21-22</p>	<p>BM•E5•Z02</p> <p>0 20° 32° 48° 78°</p> <p>11-12 21-22</p>	<p>BM•E54Z02</p> <p>0 20° 32° 48° 78°</p> <p>11-12 21-22</p>
<p>BM•E3•X12</p> <p>0 4.6 8.4 15.5 mm</p> <p>21-22 13-14</p> <p>8.6</p>	<p>BM•E4•X12</p> <p>0 18° 35° 78°</p> <p>21-22 13-14</p> <p>37°</p>	<p>BM•E44X12</p> <p>0 18° 35° 78°</p> <p>21-22 13-14</p> <p>37°</p>	<p>BM•E5•X12</p> <p>0 18° 35° 78°</p> <p>21-22 13-14</p> <p>37°</p>	<p>BM•E54X12</p> <p>0 18° 35° 78°</p> <p>21-22 13-14</p> <p>37°</p>
<p>BM•E3•X21</p> <p>0 4.7 8.5 15.5 mm</p> <p>31-32 13-14 23-24</p> <p>8.6</p>	<p>BM•E4•X21</p> <p>0 19° 36° 78°</p> <p>31-32 13-14 23-24</p> <p>37°</p>	<p>BM•E44X21</p> <p>0 19° 36° 78°</p> <p>31-32 13-14 23-24</p> <p>37°</p>	<p>BM•E5•X21</p> <p>0 19° 36° 78°</p> <p>31-32 13-14 23-24</p> <p>37°</p>	<p>BM•E54X21</p> <p>0 19° 36° 78°</p> <p>31-32 13-14 23-24</p> <p>37°</p>
<p>BM•E3•W03</p> <p>0 4.6 8.4 15.5 mm</p> <p>11-12 21-22 31-32</p>	<p>BM•E4•W03</p> <p>0 18° 35° 78°</p> <p>11-12 21-22 31-32</p>	<p>BM•E44W03</p> <p>0 18° 35° 78°</p> <p>11-12 21-22 31-32</p>	<p>BM•E5•W03</p> <p>0 18° 35° 78°</p> <p>11-12 21-22 31-32</p>	<p>BM•E54W03</p> <p>0 18° 35° 78°</p> <p>11-12 21-22 31-32</p>
<p>BM•E3•W30</p> <p>0 4.9 15.5 mm</p> <p>13-14 23-24</p>	<p>BM•E4•W30</p> <p>0 23° 78°</p> <p>13-14 23-24</p>	<p>BM•E44W30</p> <p>0 23° 78°</p> <p>13-14 23-24</p>	<p>BM•E5•W30</p> <p>0 23° 78°</p> <p>13-14 23-24</p>	<p>BM•E54W30</p> <p>0 23° 78°</p> <p>13-14 23-24</p>
0,280	0,300	0,315	0,320	0,325



Electrical Connection

BM1: one cable inlet for PG 13,5 Cable Gland

BM2: one cable inlet for 1/2" NPT Cable Gland

BM5: one cable inlet for M20 x 1,5 Cable Gland



Operating Head Type

E61 - Nylon actuator with stainless steel spring

E62 - Stainless steel spring actuator

E7 - Adjustable rod lever
E71: stainless steel rod Ø3
E73: fiberglass rod Ø3
E75: square steel rod 3x3

Conformity / \ominus (N.C. contact with positive opening operation)

Max actuation speed [m/s]

Min. force [N] or torque [Nm]: actuation / positive opening operation

1,5
0,15 / -

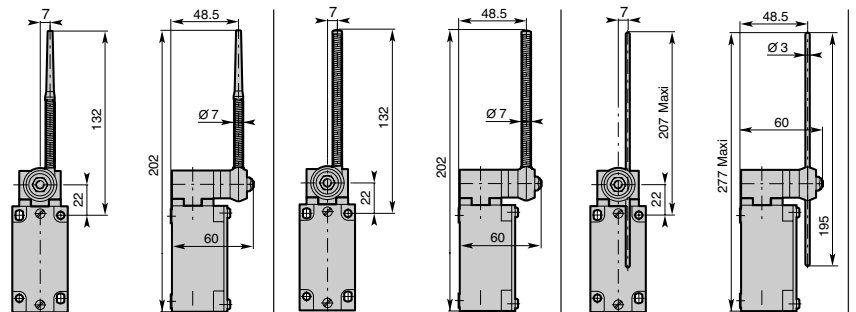
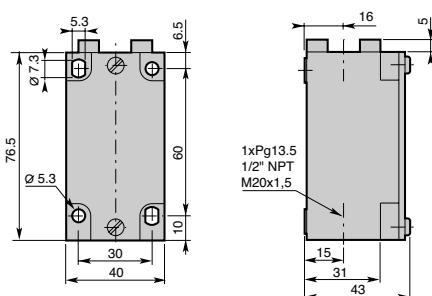
1,5
0,15 / -

1,5
0,15 / 0,30 \ominus

Additional Technical Datas

			E61 - Nylon actuator with stainless steel spring	E62 - Stainless steel spring actuator	E7 - Adjustable rod lever
Z11 Snap Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BM•E61Z11 	BM•E62Z11 	BM•E7•Z11
X11 Non overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BM•E61X11 	BM•E62X11 	BM•E7•X11
Y11 Overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	BM•E61Y11 	BM•E62Y11 	BM•E7•Y11
W02 Slow Action Contacts (2NC)		Order Code Operation Diagram	BM•E61W02 	BM•E62W02 	BM•E7•W02
W20 Slow Action Contacts (2NO)		Order Code Operation Diagram	BM•E61W20 	BM•E62W20 	BM•E7•W20
Z02 Snap Action Contacts (2NC)		Order Code Operation Diagram	BM•E61Z02 	BM•E62Z02 	BM•E7•Z02
X12 Non overlapping Slow Action Contacts (1NO + 2NC)		Order Code Operation Diagram	BM•E61X12 	BM•E62X12 	BM•E7•X12
X21 Non overlapping Slow Action Contacts (2NO + 1NC)		Order Code Operation Diagram	BM•E61X21 	BM•E62X21 	BM•E7•X21
W03 Simultaneous Slow Action Contacts (3NC)		Order Code Operation Diagram	BM•E61W03 	BM•E62W03 	BM•E7•W03
W30 Simultaneous Slow Action Contacts (3NO)		Order Code Operation Diagram	BM•E61W30 	BM•E62W30 	BM•E7•W30
Weight (packing per unit)		[kg]	0,305	0,310	0,305

Dimensions (in mm)





<p>E7 - Adjustable rod lever E72: nylon rod E74: fiberglass rod</p>	<p>E91 - Stainless steel spring multidirectional actuator</p>	<p>E92 - Multidirectional nylon actuator with stainless steel spring</p>	<p>E93 - Stainless steel spring multidirectional actuator</p>	<p>E99 - Pull action with ring</p>
EN 50041				
1,5 0,15 / 0,30	1,0 0,18 / -	1,0 0,18 / -	1,0 0,18 / -	0,5 25 / -

<p>BM-E7-Z11 0 20° 33° 49° 78° 21-22 13-14 21-22 13-14</p>	<p>BM-E91Z11 0 9° 21° 21-22 13-14 21-22 13-14</p>	<p>BM-E92Z11 0 9° 21° 21-22 13-14 21-22 13-14</p>	<p>BM-E93Z11 0 9° 21° 21-22 13-14 21-22 13-14</p>	<p>BM-E99Z11A 0 3.2 4.4 5.0 mm 21-22 13-14 21-22 13-14</p>
<p>BM-E7-X11 0 22° 38° 78° 21-22 13-14 33°</p>	<p>BM-E91X11 0 12° 21-22 13-14 19°</p>	<p>BM-E92X11 0 12° 21-22 13-14 19°</p>	<p>BM-E93X11 0 12° 21-22 13-14 19°</p>	<p>BM-E99X11A 0 2.5 5.0 mm 21-22 13-14 3.2</p>
<p>BM-E7-Y11 0 37° 53° 78° 21-22 13-14 21°</p>	<p>BM-E91Y11 0 23° 21-22 13-14 11°</p>	<p>BM-E92Y11 0 23° 21-22 13-14 11°</p>	<p>BM-E93Y11 0 23° 21-22 13-14 11°</p>	<p>BM-E99Y11A 0 3.4 5.0 mm 21-22 13-14 2.1</p>
<p>BM-E7-W02 0 21° 37° 78° 11-12 21-22</p>	<p>BM-E91W02 0 11° 11-12 21-22</p>	<p>BM-E92W02 0 11° 11-12 21-22</p>	<p>BM-E93W02 0 11° 11-12 21-22</p>	<p>BM-E99W02A 0 3.4 5.0 mm 11-12 21-22</p>
<p>BM-E7-W20 0 20° 78° 13-14 23-24</p>	<p>BM-E91W20 0 10° 13-14 23-24</p>	<p>BM-E92W20 0 10° 13-14 23-24</p>	<p>BM-E93W20 0 10° 13-14 23-24</p>	<p>BM-E99W20A 0 3.6 5.0 mm 13-14 23-24</p>
<p>BM-E7-Z02 0 20° 32° 48° 78° 11-12 21-22 11-12 21-22</p>	<p>BM-E91Z02 0 9° 20° 21-25 31-32 21-25 31-32</p>	<p>BM-E92Z02 0 9° 20° 21-25 31-32 21-25 31-32</p>	<p>BM-E93Z02 0 9° 20° 21-25 31-32 21-25 31-32</p>	
<p>BM-E7-X12 0 18° 35° 78° 21-22 13-14 37°</p>	<p>BM-E91X12 0 12° 21-25 31-32 27°</p>	<p>BM-E92X12 0 12° 21-25 31-32 27°</p>	<p>BM-E93X12 0 12° 21-25 31-32 27°</p>	<p>BM-E99X12A 0 1.6 5.0 mm 21-22 31-32 2.9</p>
<p>BM-E7-X21 0 19° 36° 78° 31-32 13-14 23-24 37°</p>	<p>BM-E91X21 0 13° 31-32 13-14 23-24 27°</p>	<p>BM-E92X21 0 13° 31-32 13-14 23-24 27°</p>	<p>BM-E93X21 0 13° 31-32 13-14 23-24 27°</p>	<p>BM-E99X21A 0 1.5 5.0 mm 31-32 13-14 23-24 3.0</p>
<p>BM-E7-W03 0 18° 35° 78° 11-12 21-22 31-32</p>	<p>BM-E91W03 0 12° 21-25 31-32</p>	<p>BM-E92W03 0 12° 21-25 31-32</p>	<p>BM-E93W03 0 12° 21-25 31-32</p>	<p>BM-E99W03A 0 3.3 5.0 mm 11-12 21-22 31-32</p>
<p>BM-E7-W30 0 23° 78° 13-14 23-24</p>	<p>BM-E91W30 0 16° 13-14 23-24</p>	<p>BM-E92W30 0 16° 13-14 23-24</p>	<p>BM-E93W30 0 16° 13-14 23-24</p>	<p>BM-E99W30A 0 2.7 5.0 mm 13-14 23-24</p>
0,300	0,230	0,230	0,235	0,245

