

Electrical Connection

CM1: three cable inlets for PG 13,5 Cable Gland

CM2: three cable inlets for 1/2" NPT Cable Gland

CM5: three cable inlets 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 /  (N.C. contact with positive opening operation)

Max actuation speed [m/s]


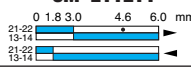
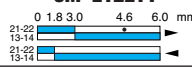
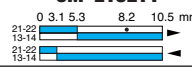

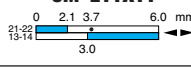
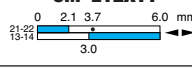
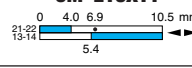

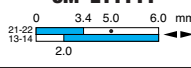
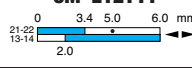
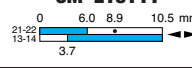

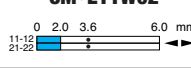
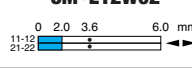
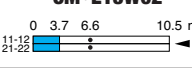





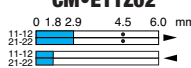
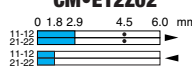
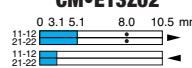

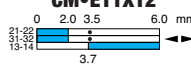
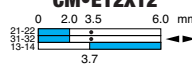
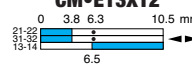

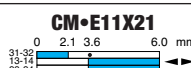
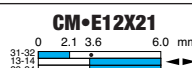
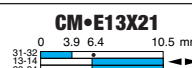

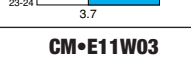
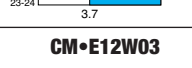
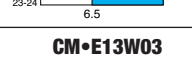


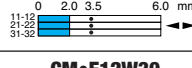

Min. force [N] or torque [Nm]: actuation / positive opening operation

0,5
30 / 45

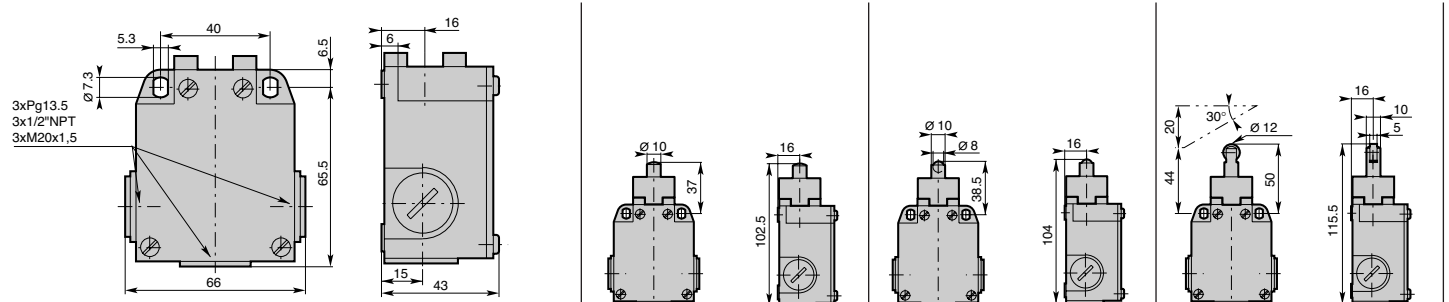
0,5
30 / 45

0,5
22 / 40

Additional Technical Datas

Z11 Snap Action Contacts (1NO + 1NC)		Order Code	CM-E11Z11		CM-E12Z11		CM-E13Z11	
X11 Non overlapping Slow Action Contacts (1NO + 1NC)		Order Code	CM-E11X11		CM-E12X11		CM-E13X11	
Y11 Overlapping Slow Action Contacts (1NO + 1NC)		Order Code	CM-E11Y11		CM-E12Y11		CM-E13Y11	
W02 Slow Action Contacts (2NC)		Order Code	CM-E11W02		CM-E12W02		CM-E13W02	
W20 Slow Action Contacts (2NO)		Order Code	CM-E11W20		CM-E12W20		CM-E13W20	
Z02 Snap Action Contacts (2NC)		Order Code	CM-E11Z02		CM-E12Z02		CM-E13Z02	
X12 Non overlapping Slow Action Contacts (1NO + 2NC)		Order Code	CM-E11X12		CM-E12X12		CM-E13X12	
X21 Non overlapping Slow Action Contacts (2NO + 1NC)		Order Code	CM-E11X21		CM-E12X21		CM-E13X21	
W03 Simultaneous Slow Action Contacts (3NC)		Order Code	CM-E11W03		CM-E12W03		CM-E13W03	
W30 Simultaneous Slow Action Contacts (3NO)		Order Code	CM-E11W30		CM-E12W30		CM-E13W30	
Weight (packing per unit)		[kg]	0,265	0,265	0,265	0,265	0,270	

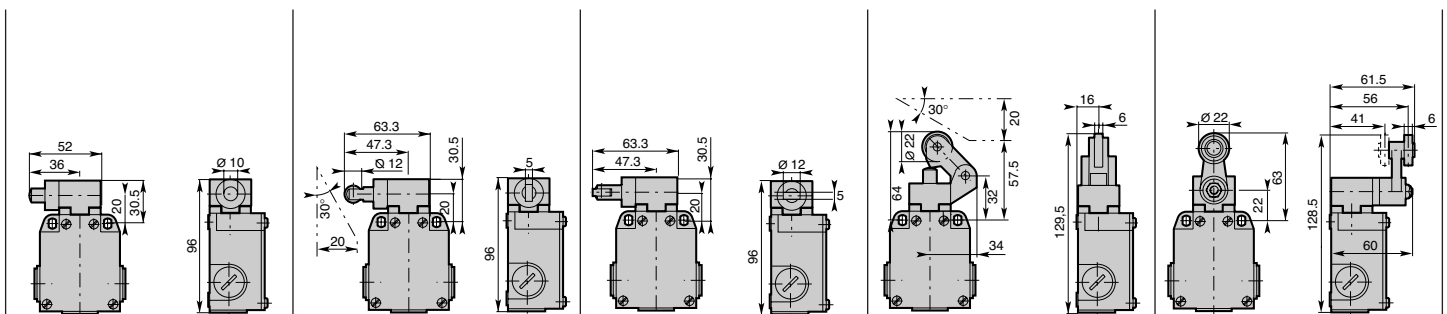
Dimensions (in mm)





E21 - Stainless steel lateral plain plunger	E22 - Stainless steel lateral plunger with Ø 12 vertical roller	E23 - Stainless steel lateral plunger with Ø 12 horizontal roller	E3 - One way lever	E4 - Ø 22 roller lever
0,5 30 / 50	0,5 30 / 50	0,5 30 / 50	1,5 12 / 30	1,5 0,15 / 0,30

CM-E21Z11 21-22 13-14 13-14	CM-E22Z11 21-22 13-14 13-14	CM-E23Z11 21-22 13-14 13-14	CM-E3-Z11 21-22 13-14 13-14	CM-E4-Z11 21-22 13-14 13-14
CM-E21X11 21-22 13-14 3.2	CM-E22X11 21-22 13-14 6.0	CM-E23X11 21-22 13-14 6.0	CM-E3-X11 21-22 13-14 6.1	CM-E4-X11 21-22 13-14 33°
CM-E21Y11 21-22 13-14 2.2	CM-E22Y11 21-22 13-14 4.3	CM-E23Y11 21-22 13-14 4.3	CM-E3-Y11 21-22 13-14 4.0	CM-E4-Y11 21-22 13-14 21°
CM-E21W02 11-12 21-22	CM-E22W02 11-12 21-22	CM-E23W02 11-12 21-22	CM-E3-W02 11-12 21-22	CM-E4-W02 11-12 21-22
CM-E21W20 13-14 23-24	CM-E22W20 13-14 23-24	CM-E23W20 13-14 23-24	CM-E3-W20 13-14 23-24	CM-E4-W20 13-14 23-24
CM-E21Z02 11-12 21-22 11-12 21-22	CM-E22Z02 11-12 21-22 11-12 21-22	CM-E23Z02 11-12 21-22 11-12 21-22	CM-E3-Z02 11-12 21-22 11-12 21-22	CM-E4-Z02 11-12 21-22 11-12 21-22
CM-E21X12 21-22 13-14 21-22 13-14 3.1	CM-E22X12 21-22 13-14 21-22 13-14 6.2	CM-E23X12 21-22 13-14 21-22 13-14 6.2	CM-E3-X12 21-22 13-14 21-22 13-14 8.6	CM-E4-X12 21-22 13-14 21-22 13-14 37°
CM-E21X21 31-32 13-14 23-24 31-32 3.1	CM-E22X21 31-32 13-14 23-24 31-32 6.2	CM-E23X21 31-32 13-14 23-24 31-32 6.2	CM-E3-X21 31-32 13-14 23-24 31-32 8.6	CM-E4-X21 31-32 13-14 23-24 31-32 37°
CM-E21W03 11-12 21-22 31-32 11-12 21-22 31-32	CM-E22W03 11-12 21-22 31-32 11-12 21-22 31-32	CM-E23W03 11-12 21-22 31-32 11-12 21-22 31-32	CM-E3-W03 21-22 13-14 31-32 21-22 13-14 31-32	CM-E4-W03 11-12 21-22 31-32 11-12 21-22 31-32
CM-E21W30 13-14 23-24 13-14 23-24	CM-E22W30 13-14 23-24 13-14 23-24	CM-E23W30 13-14 23-24 13-14 23-24	CM-E3-W30 13-14 23-24 13-14 23-24	CM-E4-W30 13-14 23-24 13-14 23-24
0,285	0,290	0,290	0,305	0,305



Electrical Connection

CM1: three cable inlets for PG 13,5 Cable Gland

CM2: three cable inlets for 1/2" NPT Cable Gland

CM5: three cable inlets for M20 x 1,5 Cable Gland



Operating Head Type

E44 - Ø 50 rubber roller lever

E5 - Adjustable Ø 22 roller lever

E54 - Adjustable Ø 50 rubber roller lever

Conformity / \rightarrow (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

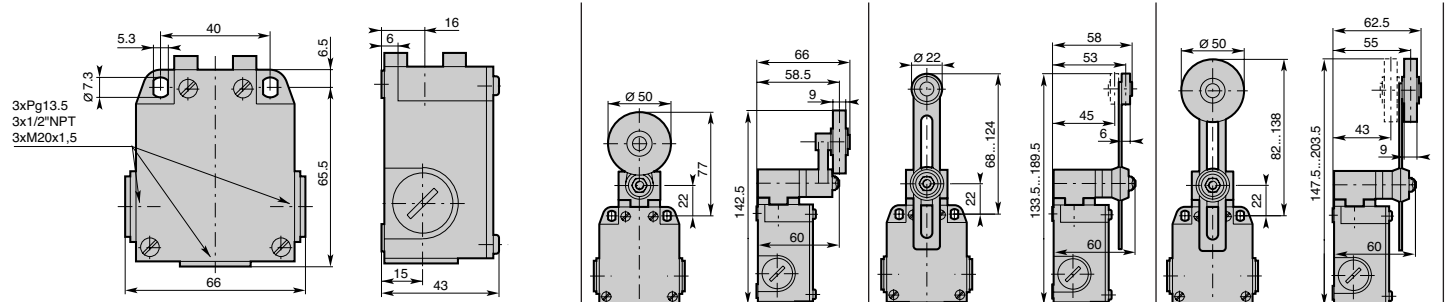
1,5
0,15 / 0,30

1,5
0,15 / 0,30

Additional Technical Datas

			E44 - Ø 50 rubber roller lever	E5 - Adjustable Ø 22 roller lever	E54 - Adjustable Ø 50 rubber roller lever
Z11 Snap Action Contacts (1NO + 1NC)		Order Code Operation Diagram	CM•E44Z11 	CM•E5•Z11 	CM•E54Z11
X11 Non overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	CM•E44X11 	CM•E5•X11 	CM•E54X11
Y11 Overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	CM•E44Y11 	CM•E5•Y11 	CM•E54Y11
W02 Slow Action Contacts (2NC)		Order Code Operation Diagram	CM•E44W02 	CM•E5•W02 	CM•E54W02
W20 Slow Action Contacts (2NO)		Order Code Operation Diagram	CM•E44W20 	CM•E5•W20 	CM•E54W20
Z02 Snap Action Contacts (2NC)		Order Code Operation Diagram	CM•E44Z02 	CM•E5•Z02 	CM•E54Z02
X12 Non overlapping Slow Action Contacts (1NO + 2NC)		Order Code Operation Diagram	CM•E44X12 	CM•E5•X12 	CM•E54X12
X21 Non overlapping Slow Action Contacts (2NO + 1NC)		Order Code Operation Diagram	CM•E44X21 	CM•E5•X21 	CM•E54X21
W03 Simultaneous Slow Action Contacts (3NC)		Order Code Operation Diagram	CM•E44W03 	CM•E5•W03 	CM•E54W03
W30 Simultaneous Slow Action Contacts (3NO)		Order Code Operation Diagram	CM•E44W30 	CM•E5•W30 	CM•E54W30
Weight (packing per unit)		[kg]	0,315	0,325	0,330

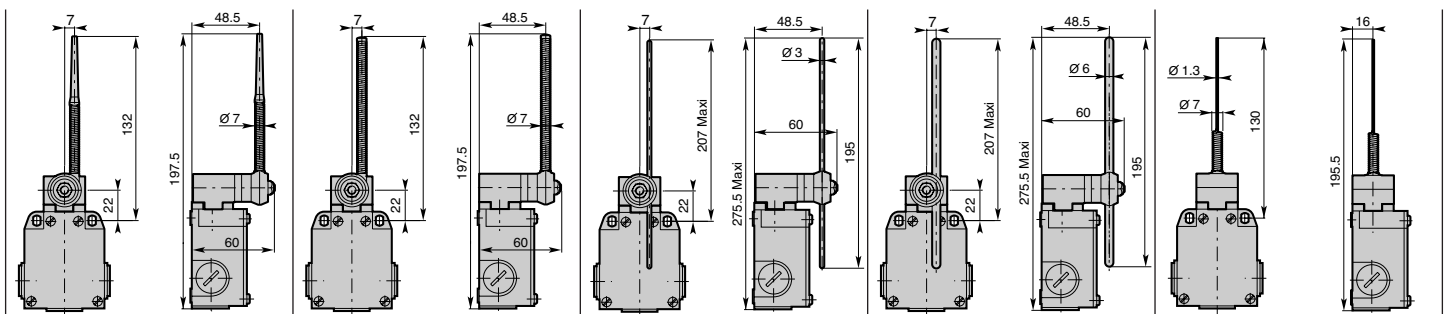
Dimensions (in mm)





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	E7 - Adjustable Ø 6 rod lever F72: nylon rod F74: fiberglass rod	E91 - Stainless steel spring multidirectional actuator
1,5 0,15 / -	1,5 0,15 / -	1,5 0,15 / 0,30	1,5 0,15 / 0,30	1,0 0,18 / -

CM•E61Z11 0 20° 33° 78° 21-22 13-14 13-14	CM•E62Z11 0 20° 33° 78° 21-22 13-14 13-14	CM•E7•Z11 0 20° 33° 49° 78° 21-22 13-14 13-14 21-22 13-14	CM•E7•Z11 0 20° 33° 49° 78° 21-22 13-14 13-14 21-22 13-14	CM•E91Z11 0 9° 21° 21-22 13-14 13-14 21-22 13-14
CM•E61X11 0 22° 78° 21-22 13-14 33°	CM•E62X11 0 22° 78° 21-22 13-14 33°	CM•E7•X11 0 22° 38° 78° 21-22 13-14 33°	CM•E7•X11 0 22° 38° 78° 21-22 13-14 33°	CM•E91X11 0 12° 21-22 13-14 19°
CM•E61Y11 0 37° 78° 21-22 13-14 21°	CM•E62Y11 0 37° 78° 21-22 13-14 21°	CM•E7•Y11 0 37° 53° 78° 21-22 13-14 21°	CM•E7•Y11 0 37° 53° 78° 21-22 13-14 21°	CM•E91Y11 0 23° 21-22 13-14 11°
CM•E61W02 0 21° 78° 11-12 21-22	CM•E62W02 0 21° 78° 11-12 21-22	CM•E7•W02 0 21° 37° 78° 11-12 21-22	CM•E7•W02 0 21° 37° 78° 11-12 21-22	CM•E91W02 0 11° 11-12 21-22
CM•E61W20 0 20° 78° 13-14 23-24	CM•E62W20 0 20° 78° 13-14 23-24	CM•E7•W20 0 20° 78° 13-14 23-24	CM•E7•W20 0 20° 78° 13-14 23-24	CM•E91W20 0 10° 13-14 23-24
CM•E61Z02 0 20° 32° 78° 11-12 21-22 11-12 21-22	CM•E62Z02 0 20° 32° 78° 11-12 21-22 11-12 21-22	CM•E7•Z02 0 20° 32° 48° 78° 21-25 11-12 21-22 21-22	CM•E7•Z02 0 20° 32° 48° 78° 21-25 11-12 21-22 21-22	CM•E91Z02 0 9° 20° 11-12 21-22 11-12 21-22
CM•E61X12 0 18° 78° 21-22 13-14 37°	CM•E62X12 0 18° 78° 21-22 13-14 37°	CM•E7•X12 0 18° 35° 78° 21-22 13-14 37°	CM•E7•X12 0 18° 35° 78° 21-22 13-14 37°	CM•E91X12 0 12° 21-22 13-14 27°
CM•E61X21 0 19° 78° 31-32 13-14 23-24 37°	CM•E62X21 0 19° 78° 31-32 13-14 23-24 37°	CM•E7•X21 0 19° 36° 78° 31-32 13-14 23-24 37°	CM•E7•X21 0 19° 36° 78° 31-32 13-14 23-24 37°	CM•E91X21 0 13° 31-32 13-14 23-24 27°
CM•E61W03 0 18° 78° 21-25 31-32 37°	CM•E62W03 0 18° 78° 21-25 31-32 37°	CM•E7•W03 0 18° 35° 78° 11-12 21-22 31-32 37°	CM•E7•W03 0 18° 35° 78° 11-12 21-22 31-32 37°	CM•E91W03 0 12° 11-12 21-22 31-32 37°
CM•E61W30 0 23° 78° 13-14 23-24 37°	CM•E62W30 0 23° 78° 13-14 23-24 37°	CM•E7•W30 0 23° 78° 13-14 23-24 37°	CM•E7•W30 0 23° 78° 13-14 23-24 37°	CM•E91W30 0 16° 13-14 23-24 37°
0,330	0,330	0,330	0,330	0,265



Electrical Connection

CM1: three cable inlets for PG 13,5 Cable Gland

CM2: three cable inlets for 1/2" NPT Cable Gland

CM5: three cable inlets for M20 x 1,5 Cable Gland

Operating Head Type



E92 - Multidirectional nylon activator with stainless steel spring



E93 - Stainless steel spring multidirectional actuator



E99 - Pull action with ring

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 / -

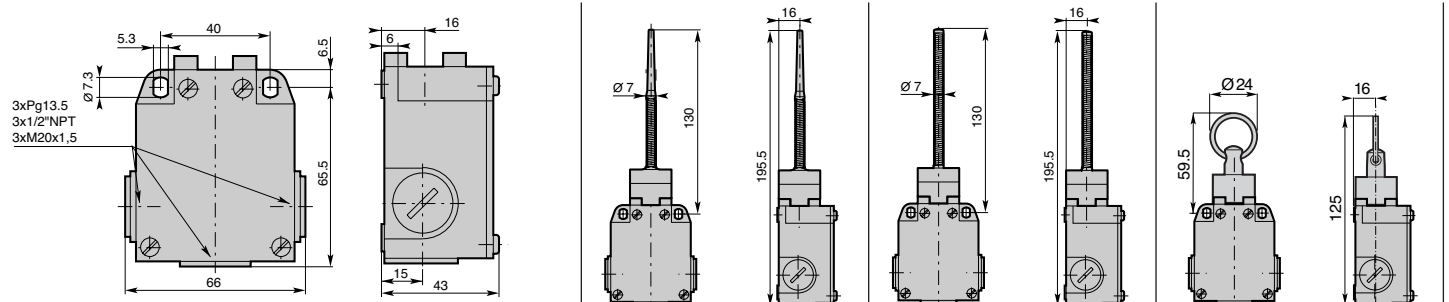
1,0
0,18 / -

0,5
25 / -

Additional Technical Datas

Z11 Snap Action Contacts (1NO + 1NC)		Order Code Operation Diagram	CM•E92Z11 	CM•E93Z11 	CM•E99Z11A
X11 Non overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	CM•E92X11 	CM•E93X11 	CM•E99X11A
Y11 Overlapping Slow Action Contacts (1NO + 1NC)		Order Code Operation Diagram	CM•E92Y11 	CM•E93Y11 	CM•E99Y11A
W02 Slow Action Contacts (2NC)		Order Code Operation Diagram	CM•E92W02 	CM•E93W02 	CM•E99W02A
W20 Slow Action Contacts (2NO)		Order Code Operation Diagram	CM•E92W20 	CM•E93W20 	CM•E99W20A
Z02 Snap Action Contacts (2NC)		Order Code Operation Diagram	CM•E92Z02 	CM•E93Z02 	
X12 Non overlapping Slow Action Contacts (1NO + 2NC)		Order Code Operation Diagram	CM•E92X12 	CM•E93X12 	CM•E99X12A
X21 Non overlapping Slow Action Contacts (2NO + 1NC)		Order Code Operation Diagram	CM•E92X21 	CM•E93X21 	CM•E99X21A
W03 Simultaneous Slow Action Contacts (3NC)		Order Code Operation Diagram	CM•E92W03 	CM•E93W03 	CM•E99W03A
W30 Simultaneous Slow Action Contacts (3NO)		Order Code Operation Diagram	CM•E92W30 	CM•E93W30 	CM•E99W30A
Weight (packing per unit)		[kg]	0,265	0,270	0,270

Dimensions (in mm)





NOTES

