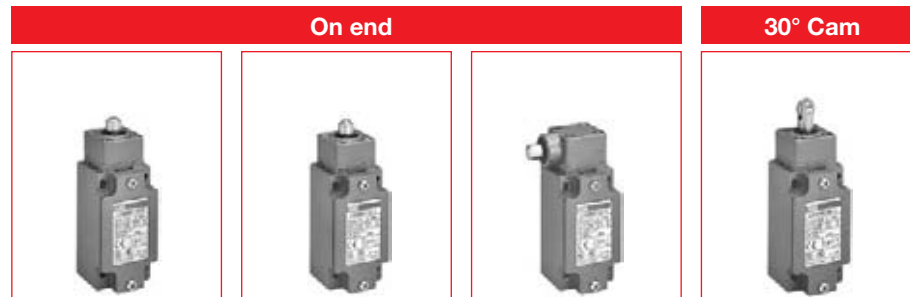


Assembled 40mm, IP66, UL Type 4X

Movement to be detected



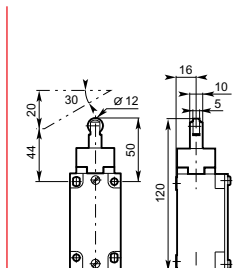
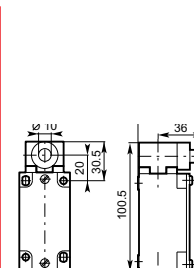
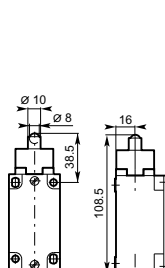
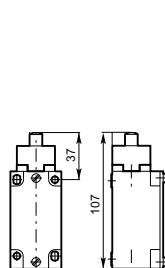
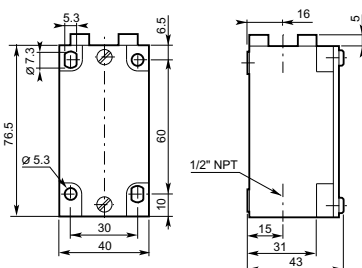
Operating head type

	Stainless steel plain plunger	Stainless steel ball plunger	Stainless steel lateral plain plunger	Stainless steel roller plunger
Conformity / (N.C. contact with positive opening operation)	EN 50 041	EN 50 041	EN 50 041	EN 50 041
Maximum actuation speed m/s	0.5	0.5	0.5	0.5
Min. force: - actuation	22	22	30	16
- positive opening operation	66	66	70	48

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Snap action contacts	Catalog number List price	LS45M11B11 \$ 38	LS45M12B11 \$ 41	LS45M21B11 \$ 41	LS45M13B11 \$ 44
Operation diagram					
Non-overlapping Slow action contacts	Catalog number List price	LS45M11D11 41	LS45M12D11 44	LS45M21D11 44	LS45M13D11 48
Operation diagram					
Overlapping Slow action contacts	Catalog number List price	LS45M11C11 42	LS45M12C11 45	LS45M21C11 45	LS45M13C11 49
Operation diagram					
Slow action contacts	Catalog number List price	LS45M11L02 42	LS45M12L02 45	LS45M21L02 45	LS45M13L02 49
Operation diagram					
Slow action contacts	Catalog number List price	LS45M11L20 42	LS45M12L20 45	LS45M21L20 45	LS45M13L20 49
Operation diagram					
Snap action contacts	Catalog number List price	LS45M11B02 42	LS45M12B02 45	LS45M21B02 45	LS45M13B02 49
Operation diagram					
Weight (packing per unit)	kg	0.240	0.240	0.260	0.240

Dimensions (mm)

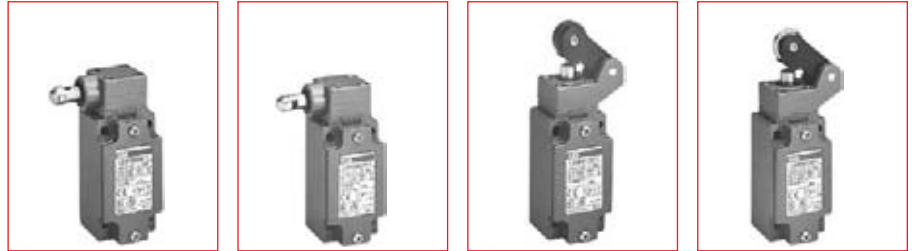


Assembled 40mm, IP66, UL Type 4X

Metal
Limit switches

Movement to be detected

30° Cam translation movement

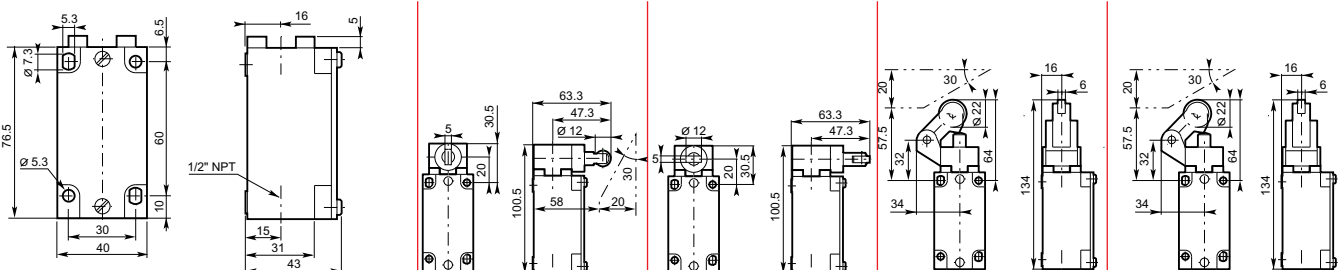


Operating head type

	Lateral plunger with vertical roller	Lateral plunger with horizontal roller	ø 22 Polyamide roller lever	ø 22 Stainless steel roller lever
Conformity / (N.C. contact with positive opening operation)	EN 50 041	EN 50 041		
Maximum actuation speed m/s	0.5	0.5	1.5	1.5
Min. force: - actuation	30	30	12	12
- positive opening operation	70	70	40	40

Snap action contacts	Catalog number List price	LS45M22B11 \$ 45	LS45M23B11 \$ 45	LS45M31B11 \$ 43	LS45M32B11 \$ 50
Operation diagram					
Non-overlapping Slow action contacts	Catalog number List price	LS45M22D11 48	LS45M23D11 48	LS45M31D11 46	LS45M32D11 53
Operation diagram					
Overlapping Slow action contacts	Catalog number List price	LS45M22C11 50	LS45M23C11 50	LS45M31C11 47	LS45M32C11 55
Operation diagram					
Slow action contacts	Catalog number List price	LS45M22L02 50	LS45M23L02 50	LS45M31L02 47	LS45M32L02 55
Operation diagram					
Slow action contacts	Catalog number List price	LS45M22L20 50	LS45M23L20 50	LS45M31L20 47	LS45M32L20 55
Operation diagram					
Snap action contacts	Catalog number List price	LS45M22B02 50	LS45M23B02 50	LS45M31B02 47	LS45M32B02 55
Operation diagram					
Weight (packing per unit)	kg	0.265	0.265	0.275	0.280

Dimensions (mm)



Assembled 40mm, IP66, UL Type 4X

Movement to be detected

Unidirectional



30° Cam translation movement



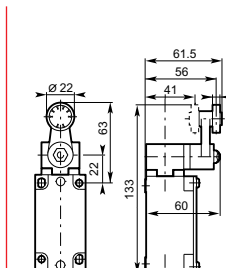
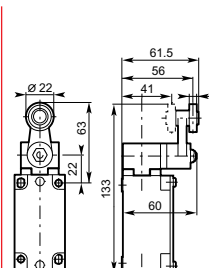
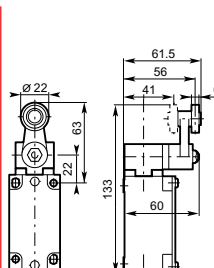
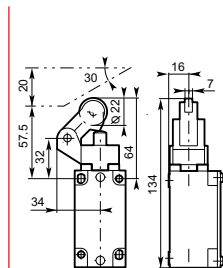
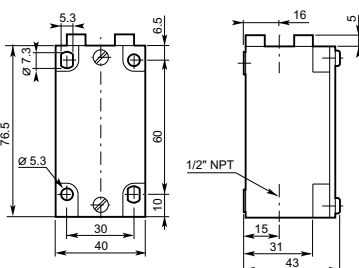
Operating head type

	ø 22 Ball-bearing roller lever	ø 22 Polyamide roller lever	ø 22 Stainless steel roller lever	ø 22 Ball-bearing roller lever
Conformity / (N.C. contact with positive opening operation)		EN 50 041	EN 50 041	EN 50 041
Maximum actuation speed m/s	1.5	1.5	1.5	1.5
Min. force/torque:				
- actuation	12 N	0.15 N.m	0.15 N.m	0.15 N.m
- positive opening operation	40 N	0.44 N.m	0.44 N.m	0.44 N.m

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Snap action contacts	Catalog number List price	LS45M33B11 \$ 45	LS45M41B11 \$ 50	LS45M42B11 \$ 57	LS45M43B11 \$ 53
	Operation diagram				
Non-overlapping slow action contacts	Catalog number List price	LS45M33D11 49	LS45M41D11 53	LS45M42D11 61	LS45M43D11 57
	Operation diagram				
Overlapping slow action contacts	Catalog number List price	LS45M33C11 50	LS45M41C11 55	LS45M42C11 63	LS45M43C11 58
	Operation diagram				
Slow action contacts	Catalog number List price	LS45M33L02 50	LS45M41L02 55	LS45M42L02 63	LS45M43L02 58
	Operation diagram				
Slow action contacts	Catalog number List price	LS45M33L20 50	LS45M41L20 55	LS45M42L20 63	LS45M43L20 58
	Operation diagram				
Snap action contacts	Catalog number List price	LS45M33B02 50	LS45M41B02 55	LS45M42B02 63	LS45M43B02 58
	Operation diagram				
Weight (packing per unit)	kg	0.280	0.280	0.280	0.280

Dimensions (mm)

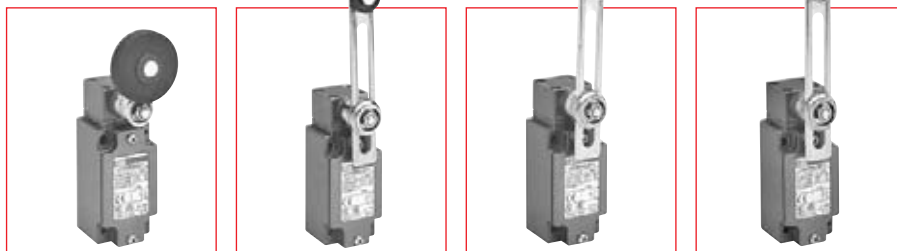


Assembled 40mm, IP66, UL Type 4X

Metal
Limit switches

Movement to be detected

30° Cam translation movement

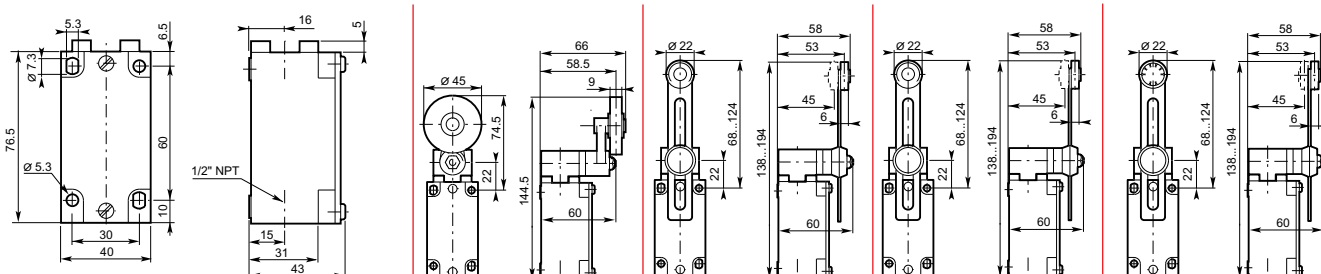


Operating head type

		ø 45 Rubber roller lever	Adjustable ø 22 polyamide roller lever	Adjustable ø 22 stainless steel roller lever	Adjustable ø 22 stainless steel ball-bearing roller lever
Conformity / (N.C. contact with positive opening operation)					
Maximum actuation speed	m/s	1.5	1.5	1.5	1.5
Min. torque: - actuation	N.m	0.15	0.15	0.15	0.15
- positive opening operation	N.m	-	-	-	-

Snap action contacts 	Catalog number	LS45M44B11	LS45M51B11	LS45M52B11	LS45M53B11
	List price	\$ 51	\$ 51	\$ 59	\$ 55
Non-overlapping slow action contacts 	Catalog number	LS45M44D11	LS45M51D11	LS45M52D11	LS45M53D11
	List price	55	55	63	59
Overlapping slow action contacts 	Catalog number	LS45M44C11	LS45M51C11	LS45M52C11	LS45M53C11
	List price	57	57	65	61
Slow action contacts 	Catalog number	LS45M44L02	LS45M51L02	LS45M52L02	LS45M53L02
	List price	57	57	65	61
Slow action contacts 	Catalog number	LS45M44L20	LS45M51L20	LS45M52L20	LS45M53L20
	List price	57	57	65	61
Snap action contacts 	Catalog number	LS45M44B02	LS45M51B02	LS45M52B02	LS45M53B02
	List price	57	57	65	61
Weight (packing per unit)	kg	0.310	0.290	0.300	0.300

Dimensions (mm)



Assembled 40mm, IP66, UL Type 4X

Movement to be detected

30° Cam



Fully directional translation movement



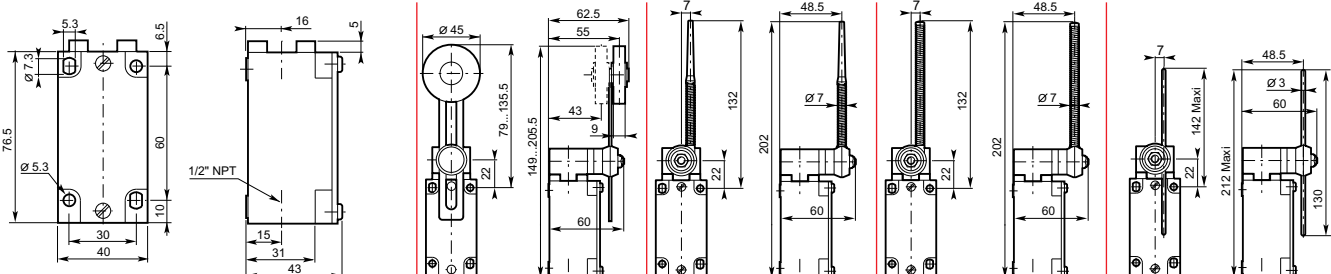
Operating head type

	Adjustable ø 45 rubber roller lever	Flexible lever with insulated end	Coil spring lever	Adjustable ø 3 stainless steel rod lever
Conformity / (N.C. contact with positive opening operation)				EN 50 041
Maximum actuation speed m/s	1.5	1.5	1.5	0.5
Min. torque: - actuation N.m	0.15	0.15	0.15	0.15
- positive opening operation N.m	-	-	-	-

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Snap action contacts	Catalog number List price	LS45M54B11 \$ 53	LS45M61B11 \$ 50	LS45M62B11 \$ 50	LS45M71B11 \$ 47
	Operation diagram				
Non-overlapping Slow action contacts	Catalog number List price	LS45M54D11 57	LS45M61D11 53	LS45M62D11 53	LS45M71D11 51
	Operation diagram				
Overlapping Slow action contacts	Catalog number List price	LS45M54C11 58	LS45M61C11 55	LS45M62C11 55	LS45M71C11 53
	Operation diagram				
Slow action contacts	Catalog number List price	LS45M54L02 58	LS45M61L02 55	LS45M62L02 55	LS45M71L02 53
	Operation diagram				
Slow action contacts	Catalog number List price	LS45M54L20 58	LS45M61L20 55	LS45M62L20 55	LS45M71L20 53
	Operation diagram				
Snap action contacts	Catalog number List price	LS45M54B02 58	LS45M61B02 55	LS45M62B02 55	LS45M71B02 53
	Operation diagram				
Weight (packing per unit)	kg	0.315	0.290	0.295	0.285

Dimensions (mm)



**Metal
Limit switches**

Multidirectional



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