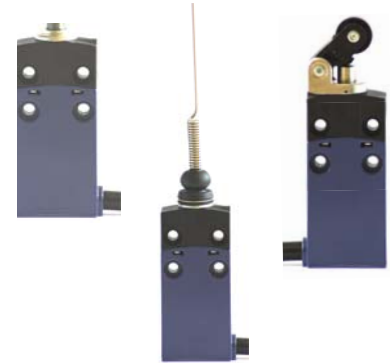


## Limit switches XCW

The limit switches XCWD, designed for intensive use, have:





- 2 or 4 electrically separate snap action contacts
- heads that can be adjusted from 15° to 15° on 360° relative to the body
- a wide choice of actuators, 4 cable lengths
- distance of fixing holes identical to the previous range XCWA, they can easily substitute







### Specifications

<b>Material</b>	Zamak	<b>Shock resistance</b>	25 gn (18ms) according to IEC 60068-2-27
<b>IP rating</b>	IP66 - IP67	<b>Vibration resistance</b>	5 gn selon IEC 60068-2-27
<b>Operating temperature</b>	-20°C to +60°C	<b>Rated thermal current</b>	6 A for 2 according versions, 3 A for 4 contacts
<b>Storage temperature</b>	-40°C to +70°C	<b>Rated insulation voltage</b>	400 V according to IEC 60947-5-1
<b>Approvals</b>	INERIS 03ATEX0083X	<b>Contacts, snap action</b>	1 x NC + 1 x NO or 2 x NC + 2 x NO
<b>Standards</b>	EN/IEC: 60079-0, 60079-1, 60079-31	<b>Resistance across terminals</b>	≤ 25 mΩ according to IEC 60255-7 category 3
<b>Ex-code</b>	II 2 GD Ex d IIC T6 Gb Ex tb IIIC T85°C Db	<b>Operational characteristics</b>	Switches with 2 contacts AC-15 ; C300 (Ue = 240 V, Ie = 1.5 A) DC-13 ; R300 (Ue = 250 V, Ie = 0.1 A) Switches with 4 contacts AC-15 ; C300 (Ue = 240 V, Ie = 0.75 A) DC-13 ; R300 (Ue = 250 V, Ie = 0.1 A)
<b>Repeat accuracy</b>	0.05 mm on the tripping points, with 1 million operation cycles for actuator with end plunger		

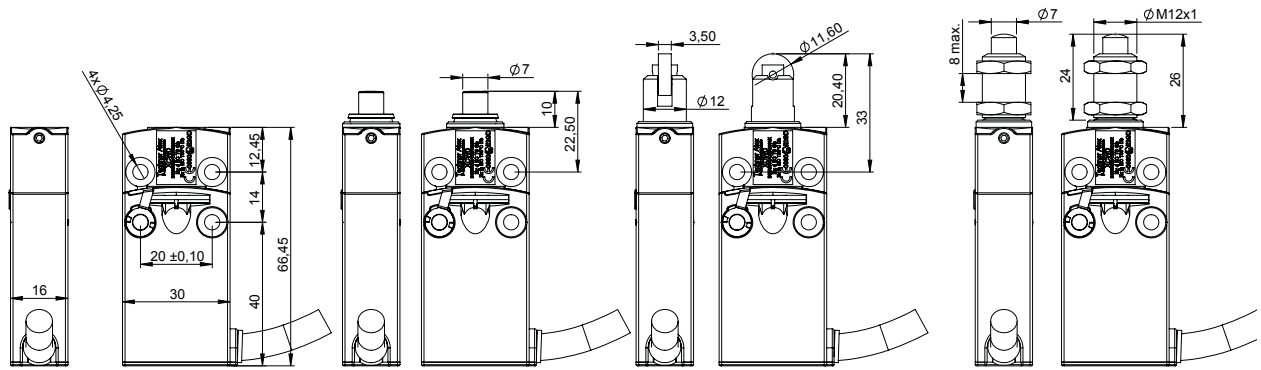
### Limit switch Ex d with actuators mounted. Heavy duty and compact with 2 or 4 snap action contacts

Part number by type of actuator with cable	Fixing by the body				Fixing by the head			
								
	Metal end plunger	Steel roller plunger	M12 with metal end plunger	M12 with steel roller plunger	2 contacts	4 contacts	2 contacts	4 contacts
	2 contacts	4 contacts	2 contacts	4 contacts	2 contacts	4 contacts	2 contacts	4 contacts
<b>1 m long</b>	XCWD2110L1	XCWD4110L1	XCWD2102L1	XCWD4102L1	XCWD21F0L1	XCWD410L1	XCWD21F2L1	XCWD41F2L1
<b>2 m long</b>	XCWD2110L2	XCWD4110L2	XCWD2102L2	XCWD4102L2	XCWD21F0L2	XCWD410L2	XCWD21F2L2	XCWD41F2L2
<b>5 m long</b>	XCWD2110L5	XCWD4110L5	XCWD2102L5	XCWD4102L5	XCWD21F0L5	XCWD410L5	XCWD21F2L5	XCWD41F2L5
<b>10 m long</b>	XCWD2110L10	XCWD4110L10	XCWD2102L10	XCWD4102L10	XCWD21F0L10	XCWD410L10	XCWD21F2L10	XCWD41F2L10

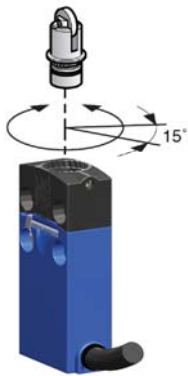
Part number by type of actuator with cable	Fixing by the body							
								
	Thermoplastic roller lever	Steel roller lever	Variable length thermoplastic roller lever	Variable length steel roller lever	2 contacts	4 contacts	2 contacts	4 contacts
	2 contacts	4 contacts	2 contacts	4 contacts	2 contacts	4 contacts	2 contacts	4 contacts
<b>1 m long</b>	XCWD2115L1	XCWD4115L1	XCWD2116L1	XCWD4116L1	XCWD2145L1	XCWD4145L1	XCWD2146L1	XCWD4146L1
<b>2 m long</b>	XCWD2115L2	XCWD4115L2	XCWD2116L2	XCWD4116L2	XCWD2145L2	XCWD4145L2	XCWD2146L2	XCWD4146L2
<b>5 m long</b>	XCWD2115L5	XCWD4115L5	XCWD2116L5	XCWD4116L5	XCWD2145L5	XCWD4145L5	XCWD2146L5	XCWD4146L5
<b>10 m long</b>	XCWD2115L10	XCWD4115L10	XCWD2116L10	XCWD4116L10	XCWD2145L10	XCWD4145L10	XCWD2146L10	XCWD4146L10

FOR WIDER CHOICE OF ACTUATORS REFER TO THE NEXT PAGES

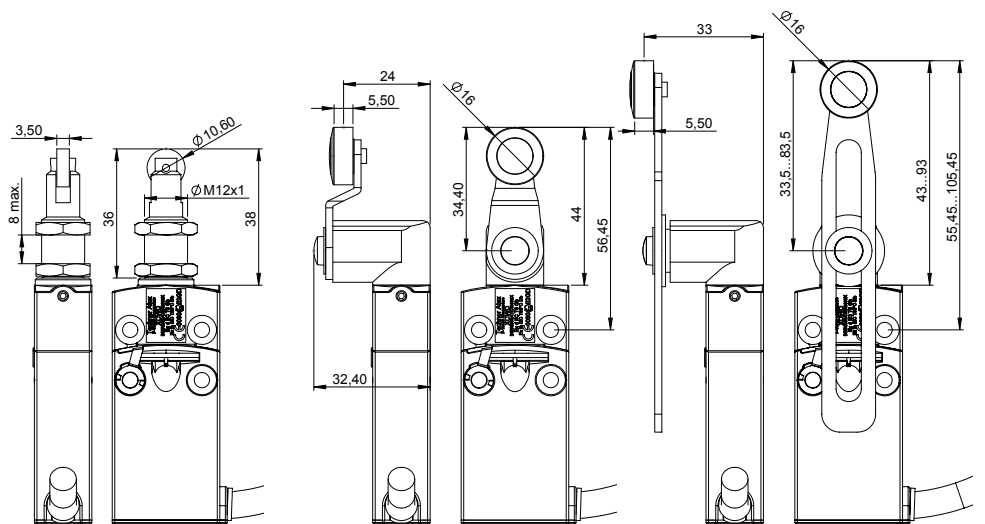
## Dimensions (mm) and characteristics



Switch actuation	On end	By 30° cam	On end
<b>Maximum actuation speed</b>	0.5 m/s	0.5 m/s	0.5 m/s
<b>Mechanical durability</b>	10 million operating cycles		
<b>Minimum force or torque</b>	for tripping	8.5 N	7 N
	for positive opening	42.5 N	35 N
<b>Cabling</b>	PvR cable: 5 x 0.75 mm <sup>2</sup> for 2-pole contact versions, 9 x 0.34 mm <sup>2</sup> for 4-pole contact versions		

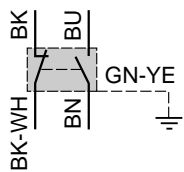


All actuators can be adjusted from 15° to 15° on 360° relative to the body

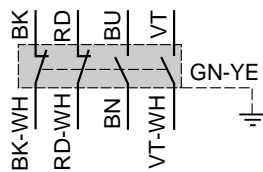


Switch actuation	By 30° cam	By 30° cam	By 30° cam
<b>Maximum actuation speed</b>	0.1 m/s	1.5 m/s	
<b>Mechanical durability</b>	10 million operating cycles		
<b>Minimum force or torque</b>	for tripping	7 N	0.1 N.m
	for positive opening	35 N	0.5 N.m
<b>Cabling</b>	PvR cable: 5 x 0.75 mm <sup>2</sup> for 2-pole contact versions, 9 x 0.34 mm <sup>2</sup> for 4-pole contact versions		

## Contacts blocks



Switches with 2-pole contacts  
 NC + NO  
 snap action



Switches with 4-pole contacts  
 NC + NC + NO + NO  
 snap action