

Miniature/Compact Switches – a big selection of little switches!

Our line of compact limit switches includes compact switches for general-, medium- and heavy-duty applications, and each is available with a variety of contact configurations, operating heads and lever arms. There are even versions for safety applications, automated applications and environments with a high incidence of shock and vibration. Our miniature and compact switches meet the International Electrotechnical Commission (IEC) standards and are accepted globally. In addition, our compact line meets domestic and international standards including NEMA, UL, CSA, VDE and more.

XCKD/P/T, XCMD/N Schneider Electric Osisense Limit Switches

Applications

- Electric lift
 - Lifting platforms
 - Elevators
 - Escalators
- Packaging machinery
 - Packaging machines
 - Shrink wrap
- Food and beverage machinery
 - Bottling
 - Textile
 - Canning
 - Pulp, paper and wood
- Process machinery
 - Machine tools
 - Plastic, rubber and molding
 - Printing

Compact

The most versatile, flexible and cross-functioning switches, the footprints match similar IEC switches available today, allowing for easy retrofitting.

Flexible

With more than 5,000 interchangeable configurations available, the modular design reduces installation time. Heads and levers are adjustable and six options of cable glands for metal or plastic bodies are offered, as well as an M12 quick connect option. Removable contact blocks provide quick accessibility and hassle-free wiring.

Simple

Hundreds of complete switches can be assembled from a few stock components, reducing selection time and inventory. Heads and levers are adjustable in 15-degree increments up to 360 degrees for precise and fast target alignment and are installed or interchanged quickly by releasing a lever instead of loosening multiple screws. Damaged parts are easily replaced, saving you time and money over replacing the entire switch.

The XCKD/P/T, XCMD/N Osisense limit switches have enhanced contact safety with direct opening action contacts that meet IEC 947-5-1 requirements for positive opening contacts, and a positive lever-to-shaft positioning that ensure the direct opening feature.

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Miniature Metal Bodies with Contacts (M12 cable connector instead of cable)***		Metal Operating Heads (non-lever arm types)	
Item No	Description	Item No	Description
ZCMD21M12	1-pole C/O snap action M12 4 pin	ZCE02	Steel roller plunger
ZCMD21C12	2-pole N.C./N.C. snap action M12 5 pin	ZCE06	Omnidirectional cat whisker
ZCMD29C12	2-pole N.C./N.C. snap action M12 5 pin	ZCE07	Omnidirectional spring rod with plastic end
		ZCE08	Omnidirectional spring rod
		ZCE10	Metal end plunger
		ZCE11	Metal end plunger with protective rubber boot
		ZCE13	Steel ball bearing plunger
		ZCE14	Adjustable metal end plunger
		ZCE21	Plastic roller lever plunger horizontal actuation
		ZCE24	Retractable steel roller lever plunger
		ZCE27	Plastic roller lever plunger vertical actuation
		ZCE28	Plastic roller lever plunger verticle or horizontal actuation
		ZCE29	Steel roller plunger with rubber boot
		ZCE62	Side metal plunger, adjustable
		ZCE63	Side metal plunger
		ZCE64	Side steel roller plunger, horizontal
		ZCE65	Side steel roller plunger, vertical
		ZCE66	Side steel ball bearing plunger
		ZCE67	Side "cat's whisker"
		ZCEF0	M12 threaded metal end plunger with nuts
		ZCEF2	M12 threaded steel roller plunger with nuts
		ZCEG1	M16 threaded steel boot end plunger with nuts

Miniature Metal Bodies with Contacts (M12 cable connector instead of cable)***		Metal Rotary Maintained Operating Head (add forked lever arm)		Forked Levers for Maintained Rotary Head Operator	
Item No	Description	Item No	Description	Item No	Description
ZCMD21M12	1-pole C/O snap action M12 4 pin	ZCE09*		ZCY61	Forked lever arm with 2 tracks: 25/39 mm
ZCMD21C12	2-pole N.C./N.C. snap action M12 5 pin			ZCY71	Forked lever arm with 1 track: 32 mm
ZCMD29C12	2-pole N.C./N.C. snap action M12 5 pin				

Miniature Metal Bodies with Contacts (M12 cable connector instead of cable)***		Metal Rotary Operating Head CW and CCW (add lever arm actuators)		Lever Arms for Rotary (CW and CCW) Head Operator**	
Item No	Description	Item No	Description	Item No	Description
ZCMD21M12	1-pole C/O snap action M12 4 pin	ZCE01		ZCY12	Steel ball bearing roller lever, track: 24/40 mm
ZCMD21C12	2-pole N.C./N.C. snap action M12 5 pin			ZCY15	Thermoplastic roller lever, track: 29/36 mm
ZCMD29C12	2-pole N.C./N.C. snap action M12 5 pin			ZCY16	Steel roller lever, track: 29/36 mm
				ZCY17	Steel ball bearing roller lever, track: 29/36 mm
				ZCY18	Thermoplastic roller lever, track: 24/40 mm
				ZCY19	Steel roller lever, track: 24/40 mm
				ZCY22	Ceramic roller lever
				ZCY23	Steel ball bearing roller lever, track: 21/44 mm
				ZCY25	Thermoplastic roller lever, track: 21/44 mm
				ZCY26	Steel roller lever, track: 21/44 mm
				ZCY39	Thermoplastic roller lever, 50 mm dia.
				ZCY44	Variable length plastic roller lever, bendable
				ZCY45	Variable length plastic roller lever, rigid
				ZCY46	Variable length steel roller lever, rigid
				ZCY48	Variable length steel roller lever, bendable
				ZCY49	Variable length plastic roller lever, 50 mm dia.
				ZCY53	Round rod steel lever, 3 mm dia. 125 mm long
				ZCY54	Square rod steel lever, 3 mm, 125 mm long
				ZCY55	Round rod fiber glass lever, 3 mm dia. 125 mm long
				ZCY59	Round rod plastic lever, 6 mm dia. 200 mm long
				ZCY69	Variable length plastic roller lever, track: 50 mm dia. adj
				ZCY81	Spring lever with thermoplastic end
				ZCY91	Spring rod lever, metal



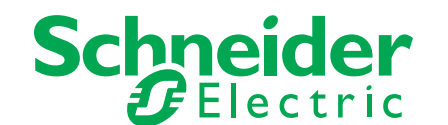
Schneider Electric provides a variety of devices that are well known and used worldwide. With a broad range of options and accessories we provide an unmatched level of reliability meeting both domestic and international requirements with our comprehensive line of limit switches.

XCMD Osisense™

Miniature Metal Modular Limit Switches Selector, ZC Components



Make the most of your energySM



XCMD Osisense Miniature Metal Modular Limit Switches

Miniature Metal Bodies with Contacts, and Cable (one meter shown, various lengths available)*		Metal Operating Heads (non-lever arm types)	
Item No	Description	Item No	Description
ZCMD21L1	2-pole N.O./N.C. snap action	ZCE02	Steel roller plunger
ZCMD25L1	2-pole N.O./N.C. slow break	ZCE06	Omnidirectional cat whisker
ZCMD29L1	2-pole N.C./N.C. snap action	ZCE07	Omnidirectional spring rod with plastic end
ZCMD37L1	3-pole 2N.C./N.O. slow break	ZCE08	Omnidirectional spring rod
ZCMD39L1	3-pole 2N.C./N.O. snap action	ZCE10	Metal end plunger
ZCMD41L1	4-pole 2N.C./2N.O. snap action	ZCE11	Metal end plunger with protective rubber boot
		ZCE13	Steel ball bearing plunger
		ZCE14	Adjustable metal end plunger
		ZCE21	Plastic roller lever plunger horizontal actuation
		ZCE24	Retractable steel roller lever plunger
		ZCE27	Plastic roller lever plunger vertical actuation
		ZCE28	Plastic roller lever plunger vertical or horizontal actuation
		ZCE29	Steel roller plunger with rubber boot
		ZCE62	Side metal plunger, adjustable
		ZCE63	Side metal plunger
		ZCE64	Side steel roller plunger, horizontal
		ZCE65	Side steel roller plunger, vertical
		ZCE66	Side steel ball bearing plunger
		ZCE67	Side "cat's whisker"
		ZCEF0	M12 threaded metal end plunger with nuts
		ZCEF2	M12 threaded steel roller plunger with nuts
		ZCEG1	M16 threaded steel boot end plunger with nuts

Miniature Metal Bodies with Contacts, and Cable (one meter shown, various lengths available)*		Metal Rotary Maintained Operating Head (add forked lever arm)		Forked Levers for Maintained Rotary Head Operator	
Item No	Description	Item No	Description	Item No	Description
ZCMD21L1	2-pole N.O./N.C. snap action	ZCE09*		ZCY61	Forked lever arm with 2 tracks: 25/39 mm
ZCMD25L1	2-pole N.O./N.C. slow break			ZCY71	Forked lever arm with 1 track: 32 mm
ZCMD29L1	2-pole N.C./N.C. snap action				
ZCMD37L1	3-pole 2N.C./N.O. slow break				
ZCMD39L1	3-pole 2N.C./N.O. snap action				
ZCMD41L1	4-pole 2N.C./2N.O. snap action				

Miniature Metal Bodies with Contacts, and Cable (one meter shown, various lengths available)*		Metal Rotary Operating Head CW and CCW (add lever arm actuators)		Lever Arms for Rotary (CW and CCW) Head Operator**	
Item No	Description	Item No	Description	Item No	Description
ZCMD21L1	2-pole N.O./N.C. snap action	ZCE01		ZCY12	Steel ball bearing roller lever, track: 24/40 mm
ZCMD25L1	2-pole N.O./N.C. slow break			ZCY15	Thermoplastic roller lever, track: 29/36 mm
ZCMD29L1	2-pole N.C./N.C. snap action			ZCY16	Steel roller lever, track: 29/36 mm
ZCMD37L1	3-pole 2N.C./N.O. slow break			ZCY17	Steel ball bearing roller lever, track: 29/36 mm
ZCMD39L1	3-pole 2N.C./N.O. snap action			ZCY18	Thermoplastic roller lever, track: 24/40 mm
ZCMD41L1	4-pole 2N.C./2N.O. snap action			ZCY19	Steel roller lever, track: 24/40 mm
				ZCY22	Ceramic roller lever
				ZCY23	Steel ball bearing roller lever, track: 21/44 mm
				ZCY25	Thermoplastic roller lever, track: 21/44 mm
				ZCY26	Steel roller lever, track: 21/44 mm
				ZCY39	Thermoplastic roller lever, 50 mm dia.
				ZCY44	Variable length plastic roller lever, bendable
				ZCY45	Variable length plastic roller lever, rigid
				ZCY46	Variable length steel roller lever, rigid
				ZCY48	Variable length steel roller lever, bendable
				ZCY49	Variable length plastic roller lever, 50 mm dia.
				ZCY53	Round rod steel lever, 3 mm dia. 125 mm long
				ZCY54	Square rod steel lever, 3 mm, 125 mm long
				ZCY55	Round rod fiber glass lever, 3 mm dia. 125 mm long
				ZCY59	Round rod plastic lever, 6 mm dia. 200 mm long
				ZCY69	Variable length plastic roller lever, track: 50 mm dia. adj.
				ZCY81	Spring lever with thermoplastic end
				ZCY91	Spring rod lever, metal

Miniature Metal Bodies with Contacts (requires addition of plug in base with cable)		Plug in Base with Cable (one meter shown, various lengths available)*		Metal Operating Heads (non-lever arm types)	
Item No	Description	Item No	Description	Item No	Description
ZCMD21	2-pole N.O./N.C. snap action	ZCMC21L1	2-pole N.O./N.C. snap action	ZCE02	Steel roller plunger
ZCMD25	2-pole N.O./N.C. slow break	ZCMC25L1	2-pole N.O./N.C. slow break	ZCE06	Omnidirectional cat whisker
ZCMD29	2-pole N.C./N.C. snap action	ZCMC29L1	2-pole N.C./N.C. snap action	ZCE07	Omnidirectional spring rod with plastic end
ZCMD37	3-pole 2N.C./N.O. slow break	ZCMC37L1	3-pole 2N.C./N.O. slow break	ZCE08	Omnidirectional spring rod
ZCMD39	3-pole 2N.C./N.O. snap action	ZCMC39L1	3-pole 2N.C./N.O. snap action	ZCE10	Metal end plunger
N/A	4-pole cable integral to body	N/A	4-pole cable integral to body	ZCE11	Metal end plunger with protective rubber boot
				ZCE13	Steel ball bearing plunger
				ZCE14	Adjustable metal end plunger
				ZCE21	Plastic roller lever plunger horizontal actuation
				ZCE24	Retractable steel roller lever plunger
				ZCE27	Plastic roller lever plunger vertical actuation
				ZCE28	Plastic roller lever plunger vertical or horizontal actuation
				ZCE29	Steel roller plunger with rubber boot
				ZCE62	Side metal plunger, adjustable
				ZCE63	Side metal plunger
				ZCE64	Side steel roller plunger, horizontal
				ZCE65	Side steel roller plunger, vertical
				ZCE66	Side steel ball bearing plunger
				ZCE67	Side "cat's whisker"
				ZCEF0	M12 threaded metal end plunger with nuts
				ZCEF2	M12 threaded steel roller plunger with nuts
				ZCEG1	M16 threaded steel boot end plunger with nuts

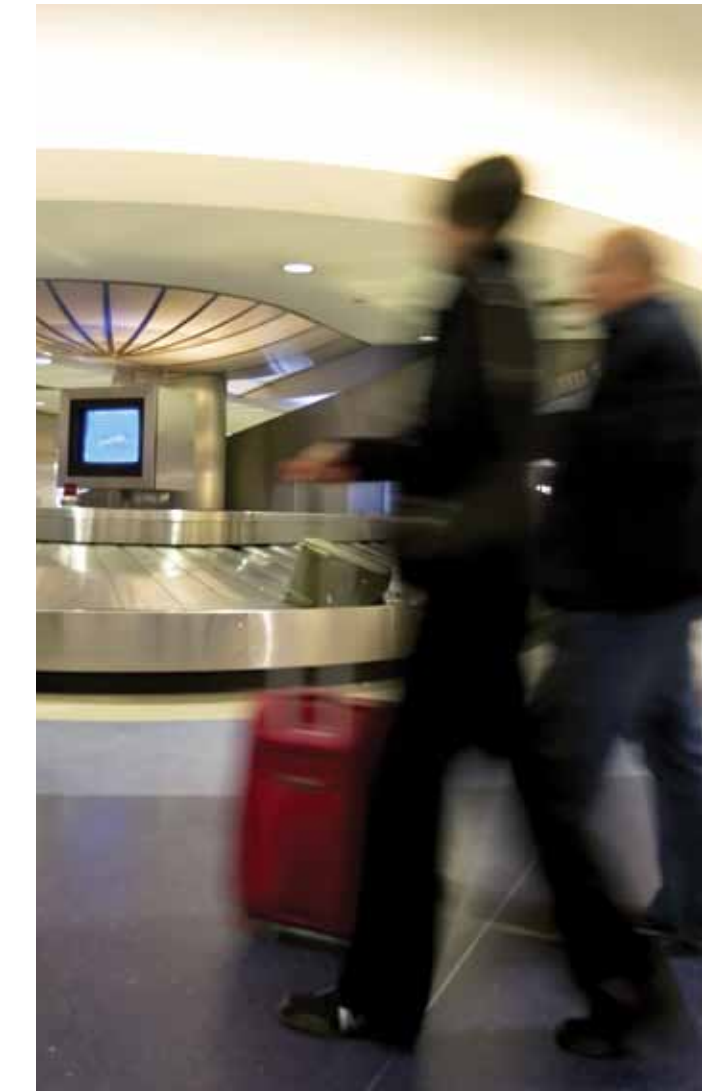
Miniature Metal Bodies with Contacts (requires addition of plug in base with cable)		Plug in Base with Cable (one meter shown, various lengths available)*		Metal Rotary Maintained Operating Head (add lever arm actuators)		Forked Levers for Maintained Rotary Head Operator	
Item No	Description	Item No	Description	Item No	Description	Item No	Description
ZCMD21	2-pole N.O./N.C. snap action	ZCMC21L1	2-pole N.O./N.C. snap action	ZCE09*		ZCY61	Forked lever arm with 2 tracks: 25/39 mm
ZCMD25	2-pole N.O./N.C. slow break	ZCMC25L1	2-pole N.O./N.C. slow break			ZCY71	Forked lever arm with 1 track: 32 mm
ZCMD29	2-pole N.C./N.C. snap action	ZCMC29L1	2-pole N.C./N.C. snap action				
ZCMD37	3-pole 2N.C./N.O. slow break	ZCMC37L1	3-pole 2N.C./N.O. slow break				
ZCMD39	3-pole 2N.C./N.O. snap action	ZCMC39L1	3-pole 2N.C./N.O. snap action				
N/A	4-pole cable integral to body	N/A	4-pole cable integral to body				

Miniature Metal Bodies with Contacts (requires addition of plug in base with cable)		Plug in Base with Cable (one meter shown, various lengths available)*		Metal Rotary Operating Head CW and CCW (add lever arm actuators)		Lever Arms for Rotary (CW and CCW) Head Operator**	
Item No	Description	Item No	Description	Item No	Description	Item No	Description
ZCMD21	2-pole N.O./N.C. snap action	ZCMC21L1	2-pole N.O./N.C. snap action	ZCE01		ZCY12	Steel ball bearing roller lever, track: 24/40 mm
ZCMD25	2-pole N.O./N.C. slow break	ZCMC25L1	2-pole N.O./N.C. slow break			ZCY15	Thermoplastic roller lever, track: 29/36 mm
ZCMD29	2-pole N.C./N.C. snap action	ZCMC29L1	2-pole N.C./N.C. snap action			ZCY16	Steel roller lever, track: 29/36 mm
ZCMD37	3-pole 2N.C./N.O. slow break	ZCMC37L1	3-pole 2N.C./N.O. slow break			ZCY17	Steel ball bearing roller lever, track: 29/36 mm
ZCMD39	3-pole 2N.C./N.O. snap action	ZCMC39L1	3-pole 2N.C./N.O. snap action			ZCY18	Thermoplastic roller lever, track: 24/40 mm
N/A	4-pole cable integral to body	N/A	4-pole cable integral to body			ZCY19	Steel roller lever, track: 24/40 mm
						ZCY22	Ceramic roller lever
						ZCY23	Steel ball bearing roller lever, track: 21/44 mm
						ZCY25	Thermoplastic roller lever, track: 21/44 mm
						ZCY26	Steel roller lever, track: 21/44 mm
						ZCY39	Thermoplastic roller lever, 50 mm dia.
						ZCY44	Variable length plastic roller lever, bendable
						ZCY45	Variable length plastic roller lever, rigid
						ZCY46	Variable length steel roller lever, rigid
						ZCY48	Variable length steel roller lever, bendable
						ZCY49	Variable length plastic roller lever, 50 mm dia.
						ZCY53	Round rod steel lever, 3 mm dia. 125 mm long
						ZCY54	Square rod steel lever, 3 mm, 125 mm long
						ZCY55	Round rod fiber glass lever, 3 mm dia. 125 mm long
						ZCY59	Round rod plastic lever, 6 mm dia. 200 mm long
						ZCY69	Variable length plastic roller lever, track: 50 mm dia. adj.
						ZCY81	Spring lever with thermoplastic end
						ZCY91	Spring rod lever, metal

continued

60 years

Schneider Electric has been a leading supplier of quality limit switches for over 60 years.



N.O. = Normally Open
N.C. = Normally Closed

Example: ZCMD21L1 (body with cable) + ZCE10 (head) = XCMD2110L1
ZCMD29C12 (body with connector) + ZCE02 (head) = XCMD2902C12
ZCMD25 (body) + ZCMC25L1 (plug in base with cable) + ZCE10 (head) = XCMD2510L1

* L1 = 1 meter L3 = 3 meters L7 = 7 meters
L2 = 2 meters L5 = 5 meters L10 = 10 meters
** Only rigid non-flexing lever arms can provide direct opening of N.C. contacts
*** The contact blocks are built into the metal body and are not available separately

* Cannot be used on bodies ZCMD21, ZCED29, ZCEMD39, ZCMD41, ZCMD21C12, ZCMD21M12, ZCMD29C12, ZCMD21L08