

XCKD Osisense™

Compact Metal Modular Limit Switches Selector,
ZC Components



XCKD Osisense Compact Metal Modular Limit Switches

Compact Metal Bodies with Contacts		Metal Conduit Thread Adaptor Add to Body (thread types)		Metal Operating Heads (non-lever arm types)	
Item No	Description	Item No	Description	Item No	Description
ZCD21	2-pole N.O./N.C. snap action	ZCDEN12	1/2" NPT	ZCE02	Steel roller plunger
ZCD25	2-pole N.O./N.C. slow break	ZCDEF12	PF 1/2 - G 1/2	ZCE06	Omnidirectional cat whisker
ZCD29	2-pole N.C./N.C. snap action	ZCDEG11	PG 11	ZCE07	Omnidirectional spring rod with plastic end
ZCD37	3-pole 2N.C./N.O. slow break	ZCDEG13	PG 13.5	ZCE08	Omnidirectional spring rod
ZCD39	3-pole 2N.C./N.O. snap action	ZCDEP16	ISO M16x1.5	ZCE10	Metal end plunger
		ZCDEP20	ISO M20x1.5	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"
				ZCEH0	M18 threaded metal end plunger with nuts
				ZCEH2	M18 threaded steel roller plunger with nuts

Compact Metal Bodies with Contacts		Metal Conduit Thread Adaptor Add to Body (thread types)		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	
ZCD21	2-pole N.O./N.C. snap action	ZCDEN12	1/2" NPT	ZCE09*	ZCY61	Forked lever arm with 2 tracks: 25/39 mm
ZCD25	2-pole N.O./N.C. slow break	ZCDEF12	PF 1/2 - G 1/2		ZCY71	Forked lever arm with 1 track: 32 mm
ZCD29	2-pole N.C./N.C. snap action	ZCDEG11	PG 11			
ZCD37	3-pole 2N.C./N.O. slow break	ZCDEG13	PG 13.5			
ZCD39	3-pole 2N.C./N.O. snap action	ZCDEP16	ISO M16x1.5			
		ZCDEP20	ISO M20x1.5			



60 years

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

Compact Metal Bodies with Contacts		Metal Conduit Thread Adaptor Add to Body (thread types)		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	
ZCD21	2-pole N.O./N.C. snap action	ZCDEN12	1/2" NPT	ZCE01	ZCY12	Steel ball bearing roller lever, track: 24/40 mm
ZCD25	2-pole N.O./N.C. slow break	ZCDEF12	PF 1/2 - G 1/2		ZCY15	Thermoplastic roller lever, track: 29/36 mm
ZCD29	2-pole N.C./N.C. snap action	ZCDEG11	PG 11		ZCY16	Steel roller lever, track: 29/36 mm
ZCD37	3-pole 2N.C./N.O. slow break	ZCDEG13	PG 13.5		ZCY17	Steel ball bearing roller lever, track: 29/36 mm
ZCD39	3-pole 2N.C./N.O. snap action	ZCDEP16	ISO M16x1.5		ZCY18	Thermoplastic roller lever, track: 24/40 mm
		ZCDEP20	ISO M20x1.5		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

Make the most of your energySM



> Selector Keys

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

Example: ZCD21 (body) + ZCDEN12 (thread adaptor) + ZCE02 (operating head) = XCKD2102N12
ZCD25 (body) + ZCDEG11 (thread adaptor) + ZCE01 (rotary head) + ZCY45 (lever) = XCKD2545G11

- Only rigid non-flexing lever arms can provide direct opening of N.C. contacts
- Replacement (2-pole) XE2... and (3-pole) XE3... Contact blocks are available separately
- Cannot be used on bodies ZCD21, ZCD29, ZCD31, ZCD39, ZCD2*M12

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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Compact Metal Bodies with Contacts (M12 cable connector version in body)**		Metal Operating Heads (non-lever arm types)	
Item No	Description	Item No	Description
ZCD21M12	2-pole N.O./N.C. snap action	ZCE02	Steel roller plunger
ZCD29M12	2-pole N.C./N.C. snap action	ZCE06	Omnidirectional cat whisker
		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 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"
		ZCEH0	M18 threaded metal end plunger with nuts
		ZCEH2	M18 threaded steel roller plunger with nuts

Compact Metal Bodies with Contacts (M12 cable connector version in body)**		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
ZCD21M12	2-pole N.O./N.C. snap action	ZCE09*		ZCY61	Forked lever arm with 2 tracks: 25/39 mm
ZCD29M12	2-pole N.C./N.C. snap action			ZCY71	Forked lever arm with 1 track: 32 mm

Compact Metal Bodies with Contacts (M12 cable connector version in body)**		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
ZCD21M12	2-pole N.O./N.C. snap action	ZCE01		ZCY12	Steel ball bearing roller lever, track: 24/40 mm
ZCD29M12	2-pole N.C./N.C. snap action			ZCY15	Thermoplastic roller lever, track: 29/36 mm
				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.