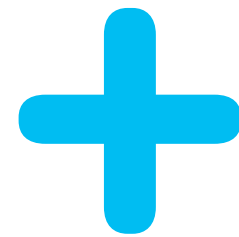


# XCKP Osisense™

Compact Plastic Modular Limit Switches Selector,  
ZC Components



## XCKP Osisense Compact Plastic Modular Limit Switches

Compact Plastic Bodies with Contacts	
Item No	Description
ZCP21	2-pole N.O./N.C. snap action
ZCP25	2-pole N.O./N.C. slow break
ZCP29	2-pole N.C./N.C. snap action
ZCP37	3-pole 2N.C./N.O. slow break
ZCP39	3-pole 2N.C./N.O. snap action

Plastic Conduit Thread Adaptor Add to Body (thread types)	
Item No	Description
ZCPEN12	1/2" NPT
ZCPEF12	PF 1/2 - G 1/2
ZCPEG11	PG 11
ZCPEG13	PG 13.5
ZCPEP16	ISO M16x1.5
ZCPEP20	ISO M20x1.5

Metal Operating Heads (non-lever arm types)	
Item No	Description
ZCE02	Steel roller plunger
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 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 Plastic Bodies with Contacts	
Item No	Description
ZCP21	2-pole N.O./N.C. snap action
ZCP25	2-pole N.O./N.C. slow break
ZCP29	2-pole N.C./N.C. snap action
ZCP37	3-pole 2N.C./N.O. slow break
ZCP39	3-pole 2N.C./N.O. snap action

Plastic Conduit Thread Adaptor Add to Body (thread types)	
Item No	Description
ZCPEN12	1/2" NPT
ZCPEF12	PF 1/2 - G 1/2
ZCPEG11	PG 11
ZCPEG13	PG 13.5
ZCPEP16	ISO M16x1.5
ZCPEP20	ISO M20x1.5

Metal Rotary Maintained Operating Head (add forked lever arm)	
Item No	Description
ZCE09*	

Forked Levers for Maintained Rotary Head Operator	
Item No	Description
ZCY61	Forked lever arm with 2 tracks: 25/39 mm
ZCY71	Forked lever arm with 1 track: 32 mm

Compact Plastic Bodies with Contacts	
Item No	Description
ZCP21	2-pole N.O./N.C. snap action
ZCP25	2-pole N.O./N.C. slow break
ZCP29	2-pole N.C./N.C. snap action
ZCP37	3-pole 2N.C./N.O. slow break
ZCP39	3-pole 2N.C./N.O. snap action

Plastic Conduit Thread Adaptor Add to Body (thread types)	
Item No	Description
ZCPEN12	1/2" NPT
ZCPEF12	PF 1/2 - G 1/2
ZCPEG11	PG 11
ZCPEG13	PG 13.5
ZCPEP16	ISO M16x1.5
ZCPEP20	ISO M20x1.5

Metal Rotary Operating Head CW and CCW (add lever arm actuators)	
Item No	Description
ZCE01	

Lever Arms for Rotary (CW and CCW) Head Operator*	
Item No	Description
ZCY12	Steel ball bearing roller lever, track: 24/40 mm
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

# 60 years

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



Make the most of your energy<sup>SM</sup>



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

Example: ZCP21 (Body) + ZCPEN12 (thread adaptor) + ZCE02 (operating head) = XCKP2102N12  
ZCP25 (Body) + ZCPEG11 (thread adaptor) + ZCE01 (rotary head) + ZCY45 (Lever) = XCKP2545G11

\* 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 ZCP21, ZCP29, ZCP31, ZCP39, ZCP2\*M12

continued

# 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.

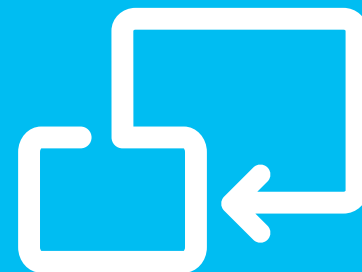
The XCKD/P/T, XCMD/N Osisense limit switches have enhanced contact safety with direct opening action contacts that meet IEC 947-5-1 requirements for positive opening contacts, and a positive lever-to-shaft positioning that ensure the direct opening feature.

#### Schneider Electric USA, Inc.

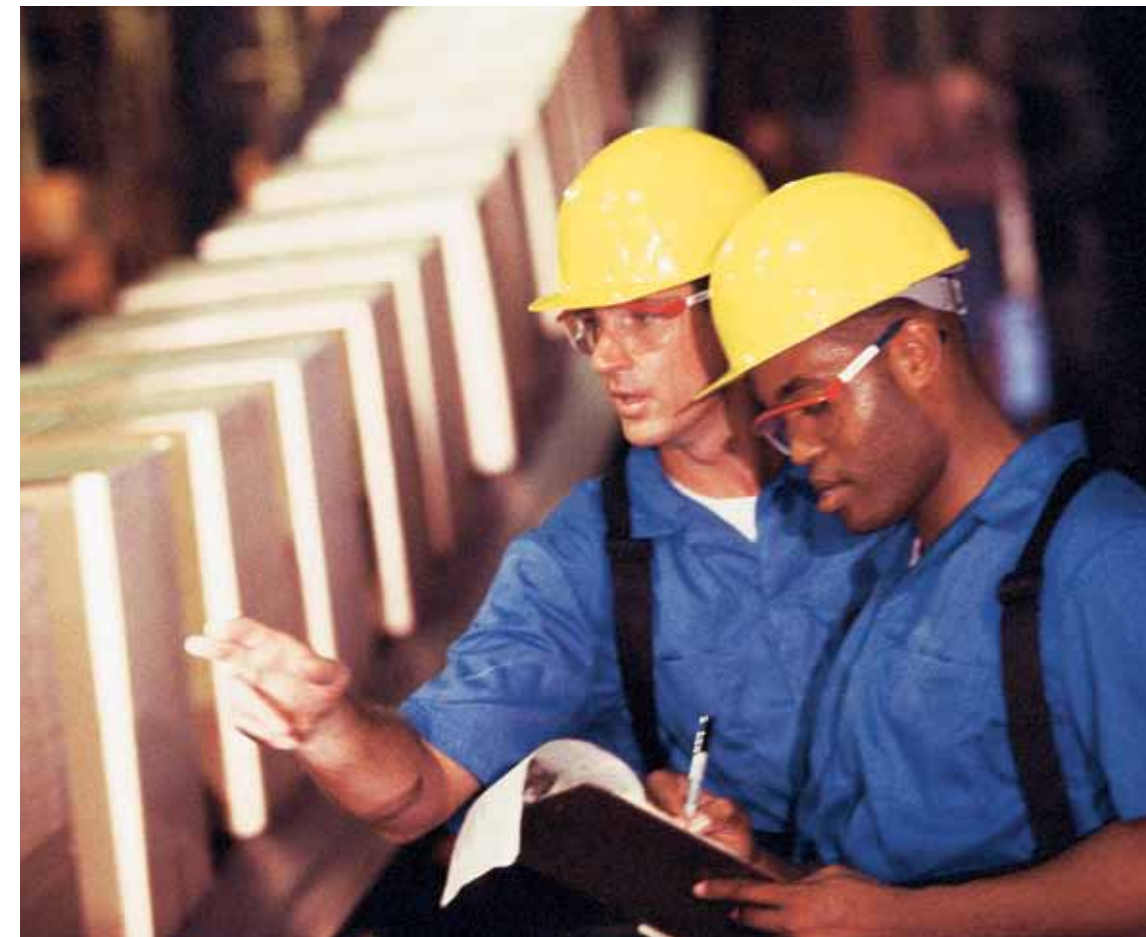
1415 S. Roselle Road  
Palatine, IL 60067  
Phone: 847-397-2600  
Fax: 847-925-7500  
www.schneider-electric.us

#### Schneider Electric Canada, Inc.

19 Waterman Avenue  
Toronto, ON M4B 1Y2  
Tel: 1-800-565-6699



© 2010 Schneider Electric All Rights Reserved



Compact Plastic Bodies with Contacts (M12 cable connector version in body)**		Metal Operating Heads (non-lever arm types)	
Item No	Description	Item No	Description
ZCP21M12	2-pole N.O./N.C. snap action	ZCE02	Steel roller plunger
ZCP29M12	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 Plastic 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
ZCP21M12	2-pole N.O./N.C. snap action	ZCE09*		ZCY61	Forked lever arm with 2 tracks: 25/39 mm
ZCP29M12	2-pole N.C./N.C. snap action			ZCY71	Forked lever arm with 1 track: 32 mm

Compact Plastic 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
ZCP21M12	2-pole N.O./N.C. snap action	ZCE01		ZCY12	Steel ball bearing roller lever, track: 24/40 mm
ZCP29M12	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.