

The OMRON logo is displayed in a bold, blue, sans-serif font. The letters are thick and rounded, with the 'O' being a simple circle. The entire logo is set against a light yellow rectangular background.

**Automatización Eléctrica**  
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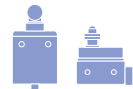
### Limit switch in compact metal housing with terminal block

The compact housing size and the terminal block with side facing cable exit allow the mounting where space is crucial and self-wiring connection is preferred. The rugged and tight housing construction provides high protection while the low-force actuators make the ZC limit switch ideal for switching smaller or lighter objects.

- Terminal block for self-wiring with side facing cable exit
- Low-force actuators for switching smaller or lighter objects
- Rugged metal housing with IP67 protection



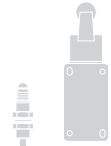
Full size



Compact

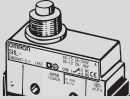
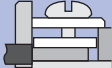
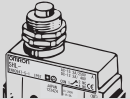



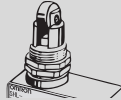




Basic housing



Special

### Ordering Information

Actuator type		Connection method	Order code
	Plunger	 Terminal block with side facing cable exit (left/right changeable) for cables dia 8.5 to 10.5 mm <sup>1</sup>	ZC-D55
	Plunger with M14 mounting		ZC-Q55
	Sealed roller plunger		ZC-N2255
	Roller plunger with M14 mounting		ZC-Q2255
	Sealed cross roller plunger		ZC-N2155
	Cross roller plunger with M14 mounting		ZC-Q2155
	Hinge lever - 50R		ZC-W55
	Hinge lever - 70R		ZC-W155
	Hinge roller lever - 50R		ZC-W255
	Hinge roller lever - 70R		ZC-W2155

<sup>1</sup> Models with M20 conduit or other connection variations are available. Refer to OPTIONAL FEATURES in complete datasheet for details.

Specifications

Voltage and current rating

Model	Rated voltage	Non-inductive load			Inductive load				Inrush current		
		Resistive load		Lamp load	Inductive load		Motor load		NC	NO	
		NC and NO	NC	NO	NC	NO	NC	NO			
Standard type	125 VAC	10	3	1.5	10		5	2.5	30 A	15 A	
	250 VAC		2.5	1.25			3	1.5			
	8 VDC		3	1.5	6		5	2.5			
	14 VDC										
	30 VDC	6			5						
	125 VDC	0.5	0.4	0.4	0.05						
	250 VDC	0.25	0.2	0.2	0.03						
High current at high VDC switching type <sup>*1</sup>	8 VDC	10	3	1.5	10		5	2.5			
	14 VDC										
	30 VDC										
	125 VDC			7.5	6						
	250 VDC	3	1.5	0.75	2	1.5	2	1.5			

\*1 Refer to OPTIONAL FEATURES in complete datasheet for details.

General specifications

Durability	Mechanical	10,000,000 operations/min
	Electrical	500,000 operations/min
Operating speed	Plunger	0.05 mm/s to 0.5 m/s
Operating frequency	Mechanical	120 operations / min
	Electrical	20 operations / min
Insulation resistance		100 MΩ min (at 500VDC)
Contact resistance (initial)		15 mΩ max
Dielectric strength		1,000 VAC, 50/60 Hz for 1 min between non-continuous terminals 2,000 VAC, 50/60 Hz for 1 min between each terminal and non-current-carrying metal part
Vibration resistance	Malfunction	10 to 55 Hz, 1.5 mm double amplitude
Shock resistance	Destruction	1,000 m/s <sup>2</sup> min
	Malfunction	300 m/s <sup>2</sup> min
Ambient temperature	Operating	-10°C to 80°C (with no icing)
Ambient humidity	Operating	35% to 95% RH
Degree of protection		IEC 60529: IP67

Additional specifications after EN60947-5-1 (TÜV Rheinland File No J50041904)

Category	AC-12 10A/250 VAC
Rated insulation voltage	1,000 VAC
Short circuit protective device	10A fuse type gG (IEC60269)
Protection against electrical shock	Class II

Operating characteristics

Values for OF and RF are in N and values for PT, OT, MD and OP are in mm unless otherwise specified.

	ZC-D□	ZC-Q2□	ZC-Q5□	ZC-N2□	ZC-W1□	ZC-W21□	ZC-W25□	ZC-W5□
Operating force (OF)	11.8			6.86	2.75	3.92		
Release force (RF)	4.9			1.67	0.59	0.78		
Pre-travel (PT)	1.5			-				
Overtravel (OT)	2.4	3	2.5		8.4	6		
Movement differential (MD)	0.2			1.4				
Operating Position (OP)	32.4±0.8	47.4±0.8	38.2±0.8	47.4±0.8	28.5±1.2	43.0±1.2	28.5±1.2	



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	375350	H3CR-F AC24-48/ DC12-48	<a href="#">Buy on EAN</a>
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