

Limit Switches — continued

Type — "Z"  
15A @ 250Vac



- Approved to **UL** and **CSA**
- Screw terminal type



Fixing centres = 25.4mm  
W = 49.2mm D = 17.45mm

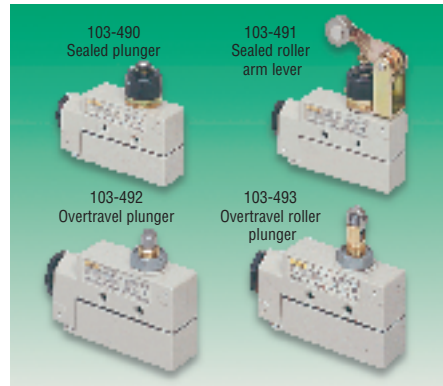
Contact SPDT  
Operating speed 0.01mm to 1 m/s  
Operating frequency Mechanical: 240 operation/min.  
Electrical: 20 operations/min.  
Operating temperature -25°C to 80°C  
Mechanical life 20,000,000 operations mins  
Electrical life 500,000 operations mins  
Contact gap 0.5mm

Order Codes	Operation force	Pre-travel max.	Overtravel min.	Movement diff max.
357-4143	2.45-3.43N	0.4mm	0.13mm	0.05mm
357-4155	2.45-3.43N	0.4mm	1.6mm	0.05mm
357-4167	2.45-3.43N	0.4mm	3.58mm	0.05mm
357-4179	1.38N	—	1.6mm	1.3mm
357-4180	0.69N	—	5.6mm	1.27mm
357-4192	0.274N	10mm	5.6mm	1.27mm
357-4209	1.57N	—	2.4mm	0.5mm
357-4210	0.98N	—	4mm	1.02mm
357-4222	1.67N	—	2.4mm	0.51mm

CTL344/SI

	Mfrs. List No.	Order Code	1+	5+	10+
Pin plunger	Z-15G-B	<b>357-4143</b>			
Short spring plunger	Z-15GD-B	<b>357-4155</b>			
Roller plunger	Z-15GQ22-B	<b>357-4167</b>			
Roller leaf spring	Z-15GL2-B	<b>357-4179</b>			
Hinge lever	Z-15GW-B	<b>357-4180</b>			
Hinge lever	Z-15GW4-B	<b>357-4192</b>			
Hinge roller lever	Z-15GW22-B	<b>357-4209</b>			
High roller lever	Z-15GW2-B	<b>357-4210</b>			
Unidirectional hinge	Z-15GW2277-B	<b>357-4222</b>			
Protection cover	AP-B	<b>103-894</b>			
Safety & dust cover	AP-Z	<b>358-3776</b>			

Metal – Type 'ZE'  
15A @ 240V ac



Body: H = 44.5 (excl. plunger), W = 86, D = 25.4, Fixing centres = 25.4

- Fully enclosed screw terminals and conduit entry
- Protection to **IP65** (103-490, 103-491) and **IP50** (103-492, 103-493)

Contacts SPDT  
Electrical life 700,000 ops  
Mechanical life 10,000,000 ops  
Operating temperature -5°C to +80°C

CTL285

	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
Sealed plunger	ZEN2G	<b>103-490</b>			
Sealed roller arm lever	ZENA2-2G	<b>103-491</b>			
Overtravel plunger	ZEQ-2G	<b>103-492</b>			
Overtravel roller plunger	ZEQ22-2G	<b>103-493</b>			

Miniature Pre-Cabled Limit Switches



H = 40 (base to fixing holes), W = 30, D = 16, Fixing centres = 20, Cable length = 2m.

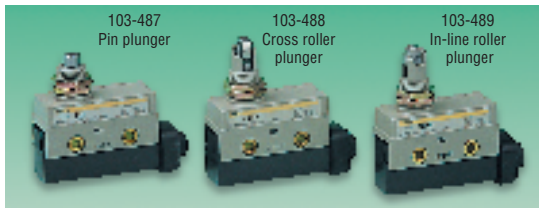
- Strong die cast metal housing
- Lever type can be adjusted over 360 deg in 10 deg steps
- **IP67** protection
- Double break Zb contacts with electrically separate N/O & N/C contacts

Rated current: 10A  
Contacts: 1 N/O & 1 N/C  
Operating temp.: -25°C to +75°C  
Mechanical life: 20 Million ops

CTL901

Mfrs. List No.	Actuator	Order Code	Price Each		
			1+	5+	10+
FA4101	Piston Plunger	<b>305-9479</b>			
FA4108	Sealed Piston	<b>305-9480</b>			
FA4115	In line roller piston	<b>305-9492</b>			
FA4131	Roller lever small	<b>305-9509</b>			
FA4140	Roller lever large	<b>305-9510</b>			
FA4150	Adjust rod lever	<b>305-9522</b>			

Metal – Type 'ZC'  
10A @ 240V ac



Body: H = 37 (excl. plunger), W = 21.4, D = 60, Fixing centres = 25.4

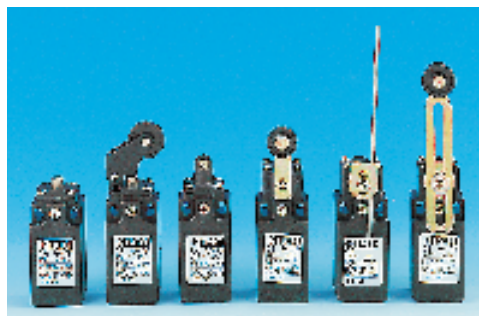
General purpose sealed actuator switch series with metal enclosure and snap on cover for screw terminals.

Contacts SPDT  
Mechanical life 10,000,000 ops  
Electrical life 750,000 ops  
Operating temperature -10°C to +80°C

CTL284

	Mfrs. List No.	Order Code	1+	5+	10+
Pin plunger	ZCQ55	<b>103-487</b>			
Cross roller plunger	ZCQ2155	<b>103-488</b>			
In-line roller plunger	ZCQ2255	<b>103-489</b>			

Compact Limit Switches



Body: H (to fixing centres) = 52, W = 30.8, D = 30.8 Fixing centres 22