SCHMERSAL IEC Limit Switches

Metal Body Limit Switches 335 Series

Features

- 9 Models available
- 90-degree adjustable head. Levers are adjustable to any angle on the operating shaft
- Aluminum enclosure
- Fully assembled out of box
- Snap-action with constant contact pressure up to switching point
- M20 x 1.5 to 1/2" NPT conduit adapter
- Contact patterns similar to those of leading competitors

Metal Body Limit Switches 335 Series								
Part Number	***Price***	***Actuator Type***	***Snap Action Contacts***	***Travel to Operate Contacts***	***Total Travel***	***Actuating Force (min)***	***Switch Travel Diagram***	***Drawing Link ****
ZS-335-11Z	$55.00	Metal plunger	(1) N.O./(1) N.C.	0.8in [2.0mm]	0.24in [6mm]	106.2 lb-in [12 N•m]	Diagram 1	PDF
ZR-335-11Z	$57.00	Metal plunger with plastic roller	(1) N.O./(1) N.C.					PDF
Z4VH-335-02Z	$76.00	Side rotary lever with plastic roller	(2) N.C.	19°	80°	2.3 lb-in [0.26 N•m]	Diagram 2	PDF
Z4VH-335-11Z	$76.00		(1) N.O./(1) N.C.	24°			Diagram 3	PDF
Z1K-335-11Z	$70.00	One-way horizontal lever with plastic roller	(1) N.O./(1) N.C.	0.82in [2.1mm]	0.25in [6.3mm]	106.2 lb-in [12 N•m]	Diagram 4	PDF
Z4V7H-335-02Z	$76.00	Side rotary adjustable lever with plastic roller	(2) N.C.	19°	80°	1.33 lb-in [0.15 N•m]	Diagram 5	PDF
Z4V7H-335-11Z	$76.00		(1) N.O./(1) N.C.	24°			Diagram 6	PDF
Z4V10H-335-02Z	$76.00	Side rotary adjustable 6mm plastic rod	(2) N.C.	19°			Diagram 5	PDF
Z4V10H-335-11Z	$76.00		(1) N.O./(1) N.C.	24°			Diagram 6	PDF

*** Weights are included on the drawing**

ZS-335-11Z

ZR-335-11Z

Z4VH-335-02Z

Z1K-335-11Z

Z4V7H-335-02Z

Z4V10H-335-02Z

SCHMERSAL 335/336 Series Travel Diagrams

Switch Travel Diagrams

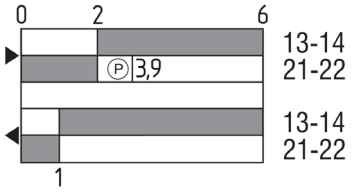

Diagram 1

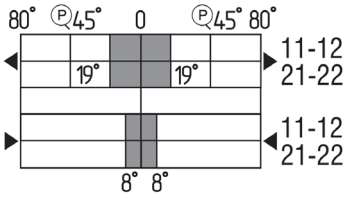

Diagram 2

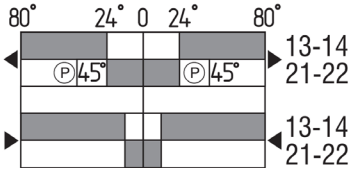

Diagram 3

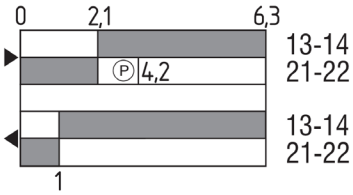

Diagram 4

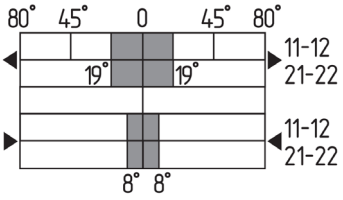

Diagram 5

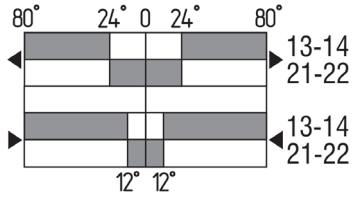

Diagram 6

Contact Travel Diagrams

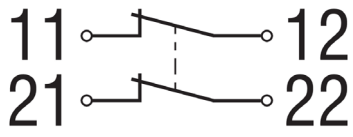

Diagram 1

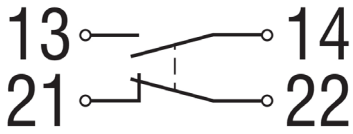

Diagram 2

SCHMERSAL

335/336 Series Specifications

335/336 Series Specifications			
Series		***335***	***336***
Environmental			
Degree of Protection		IP67	
Temperature Range		-30 to 80°C [-22 to 176°F]	
Mechanical Ratings			
Body Footprint (Without Actuator Head)		40.5 x 38 x 66.5mm	
Mechanical Life		30 Million Operations	
Conduit Entrance		M20 x 1.5, each unit comes with a 1/2 in NPT adapter	
Enclosure Material		Aluminum	Plastic, Glass-fiber reinforced thermoplastic, self-extinguishing
Contact Blocks Rating			
Rated Impulse Withstand Voltage		6 kV	
Electrical Ratings	***AC***	AC-15 - 4A @ 230VAC Continuous: 10A @ 230VAC Required rated short-circuit current to EN60947-5-1 : 1,000A	
	DC	DC-13 - 4A @ 24VDC	
Maximum Switching Frequency		5,000 operations per hour, Switchover time: Max 2ms, Bounce Duration, in accordance with actuating speed	
Contact Type		Change-over contact with double break, type 1 N.C. or 2 N.C. contacts, with galvanically separated contact bridges: snap-action, N.C. contacts with positive break	
Wiring Connections		AWG #14 through AWG #18 Wire	
Torque Requirements		Wiring Terminals: 7.1 in-lb [0.8 N•m]	
Safety Data			
General		02Z Series - Safety Function, Yes: Number of Safety Contacts: 2 11Z Series - Safety Function, Yes, Number of Safety Contacts 1, Number of Aux Contacts 1	
Safety Appraisal		Standards: ISO 13849-1, Mission Time 20 Year(s) Safety Outputs: B10d Normally-closed contact (N.C.), 20,000,000 Operations	
Agency Approvals*		cULus E57648 all versions. All units are CE and Reach Compliant Standards: IEC 60947-5-1 : 2010, ISO 13849-1, BG-GS-ET-15	

***To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.**