Mechanical Limit Switches

Metal International Style

Body Style ENM2

- Metal housing with screw down cover
- Mounting and dimensions conform to DIN EN 50041
- Actuator head position can be changed in 90° increments
- Contacts galvanically isolated
- One cable entry point
- Conduit adapter or cord grip provided
- Manufactured per IEC 947-5-1 and VDE 0660 T200
- UL, CSA and SEV approved

Model Identification

Body Style	Contact Block	Actuator Style
ENM2	U1Z	AH

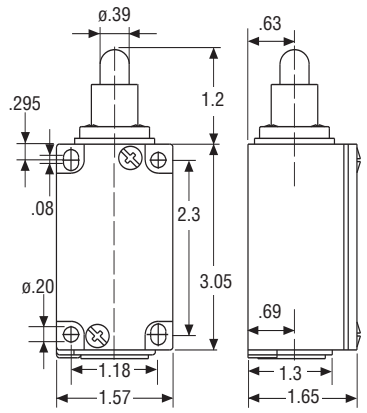
Model Part Number

ENM2-U1Z AD	608-7137-018
ENM2-SU1Z AD	608-7387-019
ENM2-U1Z AHS-V*	608-7135-013
ENM2-SU1Z AHS-V*	608-7385-014
ENM2-U1 AV	608-7136-016
ENM2-SU1 AV	608-7386-017
ENM2-U1Z Riw*	608-7117-004
ENM2-SU1Z Riw*	608-7367-005
ENM2-U1Z iw*	608-7102-001
ENM2-SU1Z iw*	608-7352-002
ENM2-U1Z DGHw	608-7121-007
ENM2-SU1Z DGHw	608-7371-008
ENM2-U1Z DGKw	608-7127-010
ENM2-SU1Z DGKw	608-7377-011

* SUVA approved for safety applications. Many more styles of actuators and contact blocks available. Contact factory for more information.

Mechanical Data

(Dimensions are in inches)



Enclosure Body: Metal
Enclosure Cover: Metal
Protection Class: NEMA 4
Mechanical Life: 10 x 10^6 Cycles
Temperature: -22°F to + 176°F
Switch Rate: 100 per minute max.


ENM2 Body Style

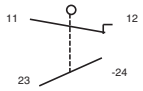
Contact Block Technical Data

Type	Contacts	Action	Forced Disconnect	Voltage (max.)	Current (max.)
U1Z	1 N.C. 1 N.O.	Slow	Yes	400 VAC	10 A
SU1Z	1 N.C. 1 N.O.	Snap	Yes	400 VAC	10 A
SU1	1 N.C. 1 N.O.	Snap	No	400 VAC	10 A

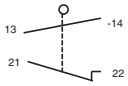
Notes:
1. All Contact Blocks Break-Before-Make (in metal housing - replaceable)
2. Normally Closed Contacts ⊖ Forced Disconnect per IEC 947-5-1 Ch.3 (as indicated)

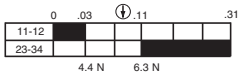
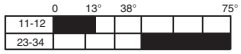
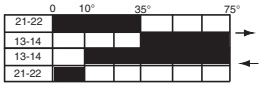
Contact Block Wiring Details

U1Z - Slow Make-and-Break



SU1Z Snap Action



Types of Contact Block and Action		Linear Type Actuator	Rotary Type Lever
U1Z	Break-Before-Make the NC contact opens before the NO contact closes		
SU1Z	Snap action → arrow indicates direction of travel		

11-12, 21-22, 23-24 Indicates terminal identification for wiring.
Operating force shown in Newtons. Newtons x .2248 = lbs.
Graduation Tolerance ± 3.5°
Accuracy of switching point ± .009
Tolerance of switching pressure ± 10%

= contact open
= contact closed
⊖ = Point of forced opening-positive disconnect

Switching Action Explanation

Slow Action

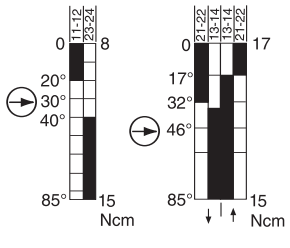
- Used in precision applications for switching on and off at the exact point
- Contact closes at the same speed as actuator/lever

Snap Action

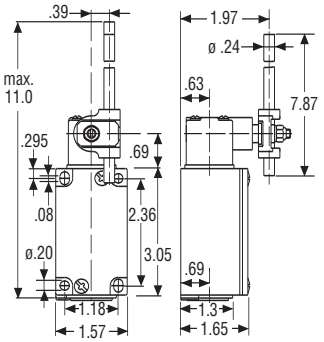
- Used when good solid contact is required
- Used with inductive loads to prevent arcing

Contact Block Data

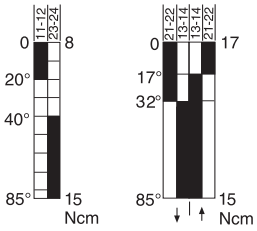
Mechanical Data
(Dimensions are in inches)



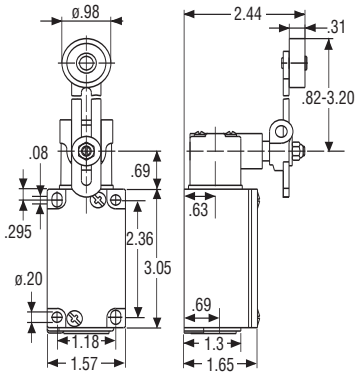
U1Z **SU1Z**



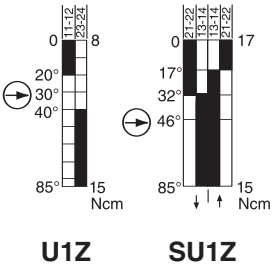
AD



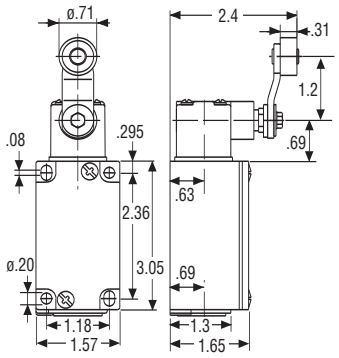
U1 **SU1**



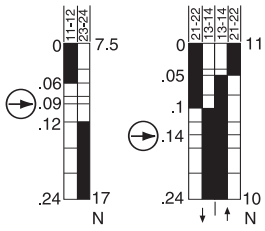
AV



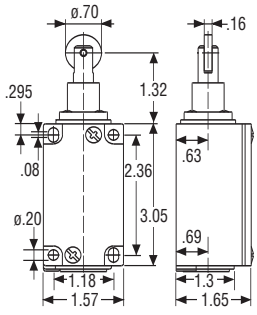
U1Z **SU1Z**



AHS-V



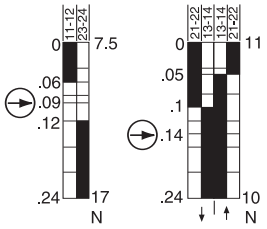
U1Z **SU1Z**



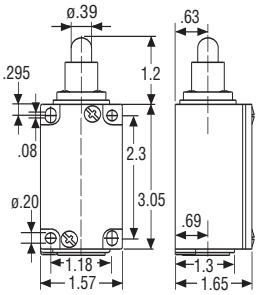
Riw

Contact Block Data

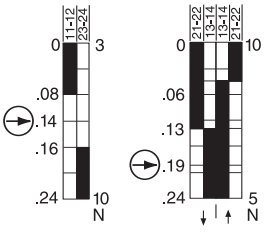
Mechanical Data
(Dimensions are in inches)



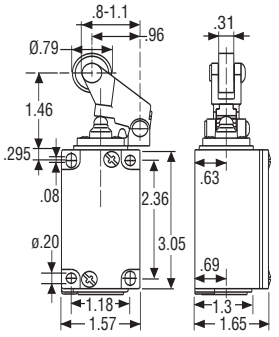
U1Z **SU1Z**



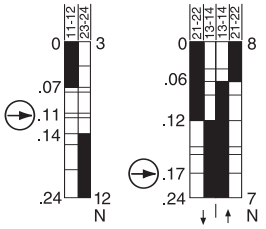
Iw



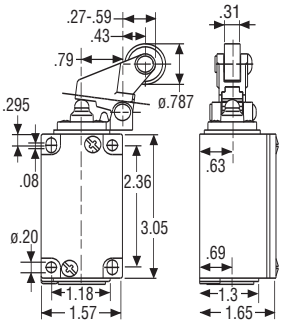
U1Z **SU1Z**



DGHw



U1Z **SU1Z**



DGKw

■ Closed
□ Open

⊖ = Point of Forced Opening, Positive Disconnect
U1Z = Slow Make-and-Break
SU1Z = Snap Action with Positive Disconnect
SU1= Snap Action