









Mechanical Limit Switch Quick Reference Guide

Family	Overview	Applications	Product Features	Contact Ratings	Enclosure Ratings	Construction	Approvals
 <p>E47 Precision</p>	Specified when accurate repeatability, choice of operating forces and travel characteristics and tightly controlled action of cam or target in space restricted areas is of prime importance. Cost effective and compact	Overhead, folding and elevator doors, sliding gates, automated guided vehicles and commercial instrumentation	<ul style="list-style-type: none"> Self-contained switches with an enclosed cast housing for increased durability and conduit connection (1/2" NPT) High current capacity for power load switching and motor handling capability Screw and solder terminations Booted enclosed version shields actuators from debris 	NEMA A600, R300, AC-15, DC-13 15A/20A, 125 or 250V AC	Enclosed NEMA 1	Basic — Phenolic Enclosed — Aluminum Die Cast	UL Recognized CSA Certified CE
 <p>Compact Rewired</p>	Designed to be a versatile, slim device for hard to fit applications where sealing integrity is required	Machine tool, food processing and packaging	<ul style="list-style-type: none"> Rugged aluminum alloy die cast housing Sealed construction with high enclosure ratings Prewired with 3m of 18 AWG Stackable ridge for ganged operation 	NEMA B300	NEMA 4, 6 and 13, IP67	Aluminum Alloy Die Cast	cULus
 <p>Miniature DIN (Moeller LS-Titan)</p>	A complete family of plastic and metal switches in standard IEC DIN sizes. A drop-in replacement to other DIN switches. Modular heads, in both plastic and metal flavor, make this a flexible switch.	Automatic vending machines, electronic assembly machines, elevators and lifts, injection molding, packaging—virtually any space restricted switch application	<ul style="list-style-type: none"> A fully safety rated family: positive opening NC contacts and TUV safety certifications Modular heads for increased application flexibility Five-way adjustable heads Wide variety of operator arms for virtually any contact application 	AC-15, DC-13	IP66, IP 67	Insulated Material or Metal	CSA UL CE CCC TUV
 <p>E49 Mini Metal</p>	Suitable for OEMs who require a small, costeffective solution but cannot sacrifice durability and mechanical life as they would if they chose a Plastic IEC style switch.	Automatic vending machines, electronic assembly machines, elevators and lifts, injection molding, packaging	<ul style="list-style-type: none"> Long life--rated for more than 10 million operations Pre-wired units with custom cable lengths available for high volume customers Fingerproof terminals protect against accidental shock 	5A @ 250V AC 5A @ 30V DC	IP65	Zinc alloy	UL Recognized CE
 <p>E50 Heavy Duty Modular</p>	Versatile in design. High reliability. Low maintenance costs with installation ease. BEST CHOICE for Heavy-Duty Limit Switch applications. Withstands physical and chemical abuse of harsh industrial environments	Punch presses, waste water treatment, machine tool, automotive, retrieval systems, industrial truck, car wash lines	<ul style="list-style-type: none"> Modular operating heads, switch bodies and receptacles are interchangeable without field adjustment Order as complete assemblies or components for stocking and manufacturing flexibility VITON gasket, boot, and seal material offers exceptional chemical resistance 	NEMA A600, R300 Lighted Versions A150, R150 6A, 120V AC; 10A Continuous	NEMA 1, 3, 3S, 4, 4X, 6, 6P, 13 IP67	Zinc die cast	UL Listed CSA Certified IEC 947-5-1 TUV CE (some models)
 <p>E50 6P+ Extreme Heavy Duty</p>	Designed specifically to withstand the penetrating properties of new cutting fluids (coolants), acid or caustic washes, salt spray, severe vibration, shock and temperature fluctuations, grit and debris	Automotive, pulp and paper, food processing, waste management, primary metals, machine tool (cutting, forming, bending)	<ul style="list-style-type: none"> Tamperproof, one-piece switch body assembly, epoxy filled Factory sealed. 6P submersible Utilizes E50 modular operating heads Special V-seal on switch body/head connection provides hermetic barrier against fluid ingress 	NEMA A600, R300 Lighted Versions A150, R150 6A, 120V AC; 10A Continuous	NEMA 1, 2, 3, 3S, 4, 4X, 6, 6P, 13 IP67	Zinc Die Cast	UL Listed CSA Certified IEC 947-5-1 TUV CE (some models)
 <p>Hazardous Location</p>	Designed for severe environmental service in locations where there exists a danger of an internal or external explosion of flammable gases, vapors, metal alloy or grain dust	Mining, metal cutting, grain storage, forest products, petrochemical, waste and sewage management, pharmaceutical	<ul style="list-style-type: none"> Sealed and unsealed versions available One-way gasket on sealed version keeps liquids out, yet allows a harmless release of gases in the event of an internal explosion Silicon bronze housing provides excellent corrosion resistant properties in extreme NEMA 4X applications 	NEMA B600 3A, 120V AC; 5A Continuous	LX — NEMA 7, 9 CX — NEMA 1, 4, 7, 9 CB — NEMA 1, 4, 4X, 13 CBX — NEMA 1, 4, 4X, 7, 9, 13	LX, CX — Aluminum Die Cast CB, CBX — Silicon Bronze	cULus Listed

Key Interlock Switch Quick Reference Guide

Family	Overview	Applications	Product Features	Contact Ratings	Enclosure Ratings	Construction	Approvals
 <p>LS-Titan</p>	A wide variety of key interlocks, from compact DIN units, to NEMA-sized units, to advanced solenoid-operated locking units.	Specifically designed for monitoring the position of protective guards, such as doors, flaps, hoods and grilles.	<ul style="list-style-type: none"> Wide variety of package styles available Large selection of actuators (keys) Adjustable heads on miniature DIN models Safety rated 	AC-15, DC-13	IP65	Insulated Material or Metal	UL Listed CSA Approved CCC