HEAVY DUTY LIMIT SWITCH

SMARTsaa manufactures Heavy Duty Limit Switch for use on Heavy Machines, EOT Cranes, Transfer Cars, steel mills and mobile material handling equipment for sensing of end limit and position sensing.

CONSTRUCTION:

Heavy Duty Limit Switch is a rugged electromechanical device designed to detect physical contact, position, or travel limits of moving machinery under harsh operational conditions and to withstand high mechanical impact.

FEATURES:

- Spring Return / Auto Reset type of mechanism: HDLS SR
- Toggle Action V Lever Mechanism with roller lever: HDLS SPV2
- Toggle Action V Lever Mechanism: HDLS SPV
- Heavy Duty Enclosure for dusty industrial use
- Special tubular silicon gasket for better protection against ingress of dust and water
- Retaining type stainless steel screws for cover
- Special rubber seal (0 ring) on shaft for better protection against ingress of dust & dirt
- Standard Cast Al enclosure. Special enclosures like DMC / SMC or Cast Iron
- Available in Flameproof enclosure (for use in hazardous areas)
- Heavy Duty contacts rated for 16 Amp resistive at 440 AC
- Models with Indicating Lamp, Junction Box, Terminal Strip
- Can also be interfaced with Belt Watch System / Trip Indicator

STANDARD SPECIFICATIONS:

Reset : Spring Return / Auto Reset or Toggle Mechanism
Enclosure: Weatherproof, field mounting Type, IP 66 Cast Al / Cast Iron. Epoxy painted, light gray (standard).
Other color shades are also available.
Output Contacts: 1 NO + 1 NC / 2 NO + 2 NC / 2 NC / 4 NC
Contact Operation: Normal, Slow Action Mechanism / Toggle Mechanism
Contact Rating for standard models: 16 Amp resistive at 440 VAC
DMC/ SMC/ Plastic / FRP enclosure for use in corrosive environment.
Special flame proof enclosure for use in hazardous area, Group IIa, IIB, IIC

OPTIONAL ACCESSORIES:

- Separate junction Box for termination of cables.
- LED Indicating lamp: For indication of operated switch
- Flameproof Enclosure
- DMC / SMC / FRP / Plastic Enclosure
- Accessories like Cable Gland, Mounting Plate

HEAVY DUTY LIMIT SWITCH



STANDARD MODEL



TOGGLE ACTION V LEVER WITH JB

ORDERING PROFORMA FOR HEAVY DUTY LIMIT SWITCH

GR 1	Series	
	Heavy Duty Limit Switch: Spring Return, Normal Action contacts, Auto Reset Type,	HDLS
	Heavy Duty Limit Switch: Spring Return, Normal Action contacts, Auto Reset Type, With Direction Dependant Contacts (1 NO + 1 NC for each Direction)	HDLS SR 2C
	Heavy Duty Limit Switch: Toggle Action, V Lever	HDLS PV
Gr 2	**No Of Contacts**	
	1 NO + 1 NC	101
	2 NO + 2 NC	202
	4 NC	004
	2 C/O (Gr 3 should be R)	020
Gr 3	**Enclosure**	
	Cast Al, Improved seal, IP 66	C
	Corrosion resistant, SMC DMC/ Engineering Plastic, IP65	D
	Corrosion resistant Engineering Plastic, IP 65	P
	Flameproof Enclosure, IP 65, Cast Al, LM6	F
	Cast Iron, IP 65	CI
	Round Body, Cast Al, Improved Protection, IP 66,	R
G4 4	**Accessories, please add suffix**	
	No Accessories	No adder
	With Separate Junction Box, Cast Al, IP 66	JB
	With Indicating Lamp, Lamp Supply: 90-230 V AC,	ILA
	With Indicating Lamp, Lamp Supply: 24 V DC	ILD
	With Indicating Lamp, Lamp Supply: 24-230 V AC DC	ILU
	Without JB but with Terminal Strip	TS
	With Double Compression Type Cable Glands, 2 No per switch	CG
	With Single Compression Type Cable glands, 2 No per switch	CGS
	With Flameproof Cable Glands ,2 No per switch	CGF
	With Canopy / Protective Plate	PP
	With Mounting Plate, 3 mm thick, Powder Coated	MP
	Tag Plate	TP
	Tag Plate SS	TPS
	Mounting Hardware, Bolts M6 x 24, 4 Nos	H
Gr 5	Special Colour (Other than our standard, Light Grey)	C
	Cable entry other than our standard ¾ inch	O

Note: For Indicating lamp option, switch contacts will be used. Ensure to lay additional cable for driving indicating lamp.

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