Safety Pull Cord Switch with Rope Break Detection

SMARTsaa, an associate company of **Protocontrol Instruments I Pvt. Ltd. Pune** offers new and advanced range Conveyor Safety Pull Cord Switches for use on Bulk Material Handling Conveyors, Cutting Machines, Printing Machines and Wood Working Machines for emergency stoppage. To be used with Pull Cod wire. The contacts of these switches are to be interlocked such that when switch is operated the machine should stop, protecting human, machines and other vital and machine elements.

Salient Features:

- **The switch works actuates contact when rope is pulled**
- **The switch also actuates when rope is broken, slack**
- **The switch provided with Local Emergency Stop Button for local operation / reset**
- **Single switch for long rope length up to 100 Meters**
- **Optional LED indicator**
- **Robust design, totally enclosed metallic enclosure, IP 67 for main switch body, IP 66 for JB**
- **Available in Single side operation or both side operations**
- **Ideal switch for Missing Guard Sensor**

The rope is to be hooked around the work area and at convenient height such that the operator will find is convenient to pull when in an emergency. The switch resets when rope is in tensioned condition and reset knob button is pulled.

Single side operation as well as both side operation options are available.
Optional LED Indicating lamp can be provided for remote indication. Need wiring by two core additional cable for powering the lamp.

SPCIFICATIONS:

- Safety Pull Cord Switch -Cable Pull Switch
- Operation: Single Side (Rope length 50 Meters), Both Side (Rope length 50 Meters each side) operation.
- Contact arrangement: 2 NO + 2 NC, 4 NC + 2 NO
- Contact Rating: 10 Amp resistive at 230 V AC
- Enclosure: Field mounting IP 67 (for main switch) and IP 66 for Junction Box
- Cable Entry: ¾ inch BSP for JB model



Safety Pull Cord Switch
Both side operation SPCD with JB, MP & PB



Safety Pull Cord Switch
Single Sid e operation SPCS with JB, MP & PB

ORDERING PROFORMA FOR SAFETY PULL CORD SWITCH

GR 1	Series	
	Safety Pull Cord Switch, Heavy Duty, Single Sided, Manual Rest, With Rope Break Detection, Tensioned Rope, Rope span: 50 Meters max	SPCS
	Safety Pull Cord Switch, Heavy Duty, Double Sided, Manual Rest, With Rope Break Detection, Tensioned Rope, Rope span: 100 Meters max	SPCD
Gr 2	**No Of Contacts**	
	2NO+ 4 NC (Gr. 1 Should be SPCD)	402
	2NO + 2 NO (Gr 1 should be SPCS)	201
Gr 3	**Enclosure**	
	Cast AL, IP 67, for main switch enclosure	S
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 , (GR 4 should be JB),	ILA
	With Indicating Lamp, Lamp Supply : 24 V DC ,(GR 4 should be JB),	ILD
	With Two Indicating Lamp (Switch Operated and Switch Healthy) Lamp Supply : 90-230 V AC,(GR 4 should be JB),	IL2A
	With Two Indicating Lamp (Switch Operated and Switch Healthy) Lamp Supply : 24 V DC ,(GR 4 should be JB),	IL2D
	Accessories package for SPCS (Tying Clip 4 Nos, Thimble 2 Nos, Tension Spring 1 No, Turn Buckle 1 No, Quick Link 1 No, end bolt 1 No)	S1
	Accessories package for SPCD (Tying Clip 8 Nos, Thimble 4 Nos, Tension Spring 2 No, Turn Buckle 2 No, Quick Link 2 No, end bolt 2 Nos)	S2
	With Local Emergency Push Button	PB
	With Cable Gland 2 Nos. per switch	CG
	Mounting Plate , MS, Powder Coated	MP

Note:

1. For driving Indicating lamp, switch contacts will be used. Ensure to lay additional cable for driving indicating lamp
2. Rope is to be ordered separately: PCW TR
3. Hooks to be ordered separately considering span of 5 Meters

SMARTsaa Instruments (I) Pvt. Ltd.
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OPTIONAL ACCESSORIES



ROPE: PCW TR



THIMBLE: SCPA-02



TYING CLIP: SPCA-03



TENSION SPRING



END BOLT: SPCA-05



TURN BUCKLE



QUICK LINK: SCPA-1



INSTALLATION ON CONVEYOR

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