

Collide-Safe Switch

The Collide-Safe switch is a IP67 rated Fail Safe Anti Collision Switch or Emergency Stop Switch.

The switch body is made from High Impact UV Stabilised PBT / PC non corrosive material, which is resistant to splash and spillage of most hydrocarbons, mild acids and strong alkali. All external steel fittings are 316 Stainless Steel. The Collide-Safe is activated by pulling the Wire Rope in any direction or the Wire being cut or removed. The Wire Rope can be up to 50m long, depending on the application. The Collide-Safe has a removable Socket assembly, so if the Wire is pulled too far, then the Socket comes off leaving the Switch in a safe and unbroken condition. The Collide-Safe Socket assembly has a Tether Point for easy Wire retrieval and Socket resetting.

The Collide-Safe is designed to be Fail Safe. It will trip when:

1. The wire is pulled; 2. The wire is cut or removed; 3. The wire is over tensioned; or 4. A manual trip via the Reset Knob.

The Micro switches fitted are S.P.D.T. switches either Positive Break or Snap Action. The Collide-Safe can be used as an over height switch for vehicles, trains or used on a Stack/Reclaimer so the operator is alerted that the structure is going to hit the stock pile. The comes with different Socket Assemblies for different applications.



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Kinder Australia Pty Ltd

26 Canterbury Road, Braeside VIC 3195
PO Box 1026, Braeside VIC 3195

☎ +61 3 8587 9111
📠 +61 3 8587 9101

✉ conveyorsolutions@kinder.com.au
ABN: 28 006 489 238

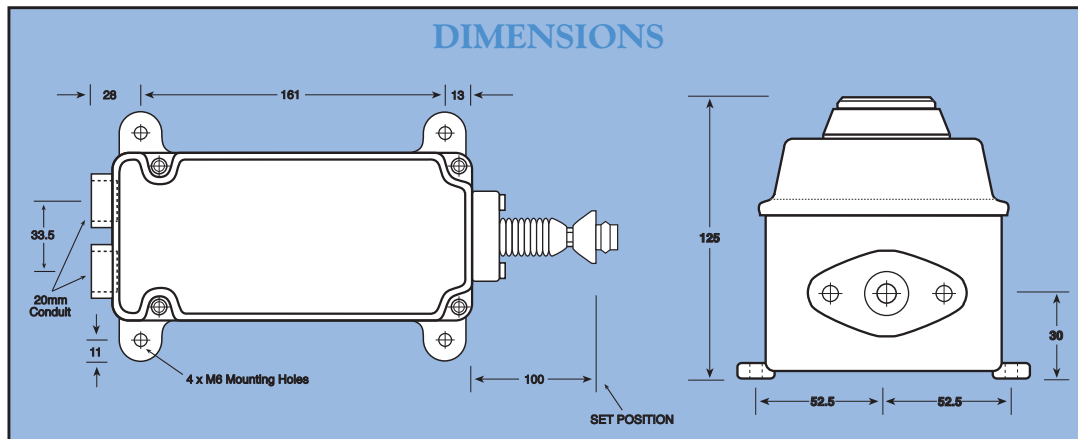
Collide-Safe Switch

VARIATIONS

- Max three S.P.D.T Positive Break or Snap Action micro Switches.
- External signal flag.
- Socket assembly with two Sockets.

SWITCH SETTINGS

Tension the wire so the Pull Rod is extended out to the "Set Position", which is 100mm between the body of the switch to the face of the socket attachment plug.



ORDERING DETAILS

Standard Switch with 1 x S.P.D.T. forced open.....**CS-P**
Trip Contact and 10m Wire Rope kit.

Standard Switch with 1 x S.P.D.T. forced open.....**CS-P-2**
Trip Contact, 1 x S.P.D.T. Snap Action alarm
contact and 10m Wire Rope kit.

Standard Switch with 1 x S.P.D.T. forced open.....**CS-P-3**
Trip Contact, 1 x S.P.D.T. forced open alarm
contact and 10m Wire Rope kit.

Standard Switch with 1 x S.P.D.T. forced open.....**CS-P-4**
Trip Contact, 2 x S.P.D.T. Snap Action alarm
contacts and 10m Wire Rope kit.

Standard Switch with 2 x S.P.D.T. forced open.....**CS-P-5**
Trip Contact, 1 x S.P.D.T. Snap Action alarm
contact and 10m Wire Rope kit.

Standard Switch with 2 x S.P.D.T. forced open.....**CS-P-6**
Trip Contact, 1 x S.P.D.T. forced open alarm
contact and 10m Wire Rope kit.

Wire lengths available in 5m increments
example: CS-P-4-25..... add -15, -20 etc

10m Wire Rope kits with Socket, 3 Rope Grips, 5mm
Stainless Steel eye/eye Turnbuckle, M6 x 40 Stainless Steel
Eye Bolt and PS-60 Compensation Spring.

ENCLOSURE SPECIFICATIONS

- High Impact PBT/PC non Corrosive Material
- UV Stable (see Valox Specs Sheet).
- Flame retardant ASTM:UL94-V0 (1.6mm)
Resist splash and spillage of most Hydrocarbon
Solvents, mild Acids and strong Alkali (see
Valox Specs Sheet).

ELECTRICAL SPECIFICATIONS

Switch No.	Type	Voltage	Current	Mechanical Endurance	Operating Temp.
CS-P (SW1)	SPDT Forced Open	250v	6A	1.5 million Operating Cycle	-25°C to 85°C
CS-P-2 (SW1)	Snap Action Silver Alloy Type				
CS-P-3 (SW1/2)					
CS-P-4 (SW1)					
CS-P-5 (SW1/2)					
CS-P-6 (SW1/2/3)					

Switch No.	Type	Voltage	Current	Mechanical Endurance	Operating Temp.
CS-P-2 (SW2)	SPDT Snap Action Silver Alloy Type	125v 250v	5A 3A	30 million Operations	-25°C to 85°C
CS-P-4 (SW2/3)					
CS-P-5 (SW3)					



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