

Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	<p>Completed Schedule B in line with schedule A on Schedule A&B form for each Switch (Do not Tick or Cross or Stamp, fill in actual text on Schedule B column of offered switch). The Switches must meet or exceed the specification in Schedule A.</p> <p>All items must be completed to be considered.</p> <p>Note: Original part number is given in additional info for ease of reference – FULL part number of offered item to be stated in B schedule. Not or partial stating part nr will also be considered as non responsive.</p>	List of stock items/ AB schedule	<p>To ensure that the supplier and Eskom</p> <p>knows which Switch will be supplied and</p> <p>meets the specification for each Switch.</p>

Table 1: Mandatory Technical Evaluation Criteria

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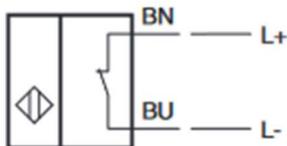
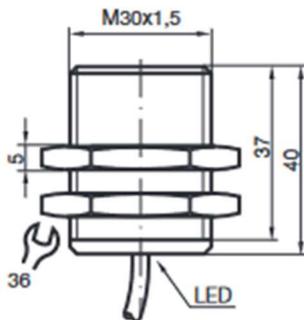
Appendix 1 - AB Schedule

Table 2: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Evaluation Scoring Breakdown			
				0	2	4	5
1.	<p>Company experience</p> <p>Proof of 3 years verifiable relevant experience in supplying Switches stipulated in Schedule B.</p> <p>(NB: Proof will be at least 3 previous Purchase Orders with contact details of the company supplied, preferably in Eskom or similar industry)</p>		50%	Tenderer provides no references	Tenderer provides 1 acceptable reference	Tenderer provides 2 acceptable references	Tenderer provides 3 acceptable references
2.	<p>Understanding of required spares</p> <p>A/B schedule meets or exceeds required specification.</p>	Completed A/B schedule with offered part numbers	50%	<50% Meets or exceeds required A column	>50% Meets or exceeds required A column	>75% Meets or exceeds required A column	100% Meets or exceeds required A column

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Material Number 0037161		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Inductive sensor	
Switching Function	NC	
Output Type	NAMUR	
Rated Operating Distance	10 mm	
Installation	flush	
Nominal Voltage	8.2 V	
Switching Frequency	0 – 200 Hz	
Switching State Indicator	all direction LED, yellow	
Connection Type	Cable, 6 mm, PVC, 0.75 mm ²	
Housing Material	Stainless steel 1.4305 / AISI 303	
Sensing Face	PBT	
Degree of Protection	IP66 / IP67	
Additional Info/part nr	Pepperl+Fuchs NCB10-30GM40-N0	



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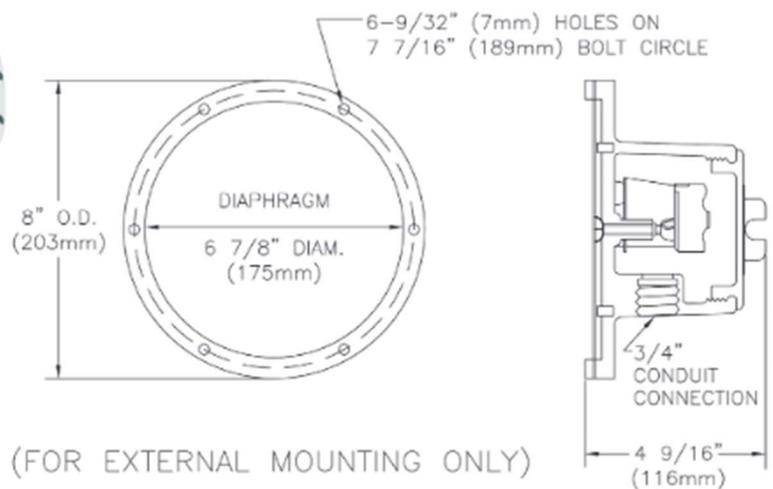
Material Number 0120193		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Point level diaphragm	
Switch	SPDT, 15 A @ 250 VAC	
Diaphragm Material	Neoprene	
Housing Material	Cast aluminium	
Size	8 inch diameter	
Temperature Rating	82 degree C	
Electrical Connection	M20 X 1.5 cable entry, screw terminals	
Additional Info/ part nr	Bindicator AB-R, LAD101701	



Auto-Bin-Dicator® Dimensions

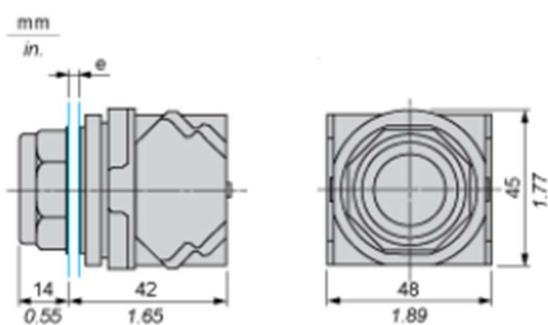
AUTO-BIN-DICATOR®

- 8" diameter
- Cast aluminum housing
- Neoprene or SS diaphragm material
- Medium duty



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Material Number 120638		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Panel metal pushbutton Red	
Switching type	Momentary, spring return	
Operator Profile	Red, flush	
Switch dimensions	48mm (w) x 45mm (h) x 56mm (d) (Diagram A)	
Mounting	Panel mount 30mm dia, Panel thicknes 1-6mm	
Contact	1NO + 1NC	
Terminal connection	Screw clamp terminals 1 x 0.22...2 x 1.5 mm ² conforming to IEC 60947-1	
Contact Rating	3A 250VAC	
Bezel material	Chromium plated/Metal	
Additional/ part nr	replacement or same as original installed type Telemecanique/Schneider XB2-MA41 (Harmony 9001 K)	



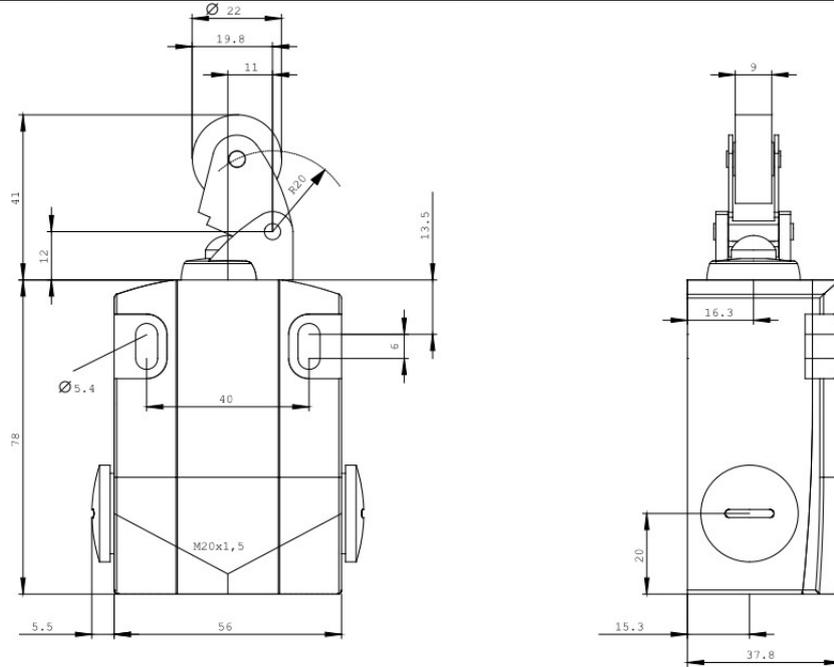
e panel thickness: 1 to 6 mm / 0.04 to 0.24 in.



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Material Number 0120727

TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Roller lever switch	
Switching/Actuating	Roller lever	
Switch dimensions	56mm (w) x 119mm (h) x 37.8mm (d)	
Cable entry	M20x1.5	
Contact	1NO + 1NC	
Terminal connection	Screw-type terminals	
Contact Rating	400 V, 4 A	
Ambient temp	-40 °C → +90 °C	
Additional/ part nr	3SE5122-0CE01, Siemens	



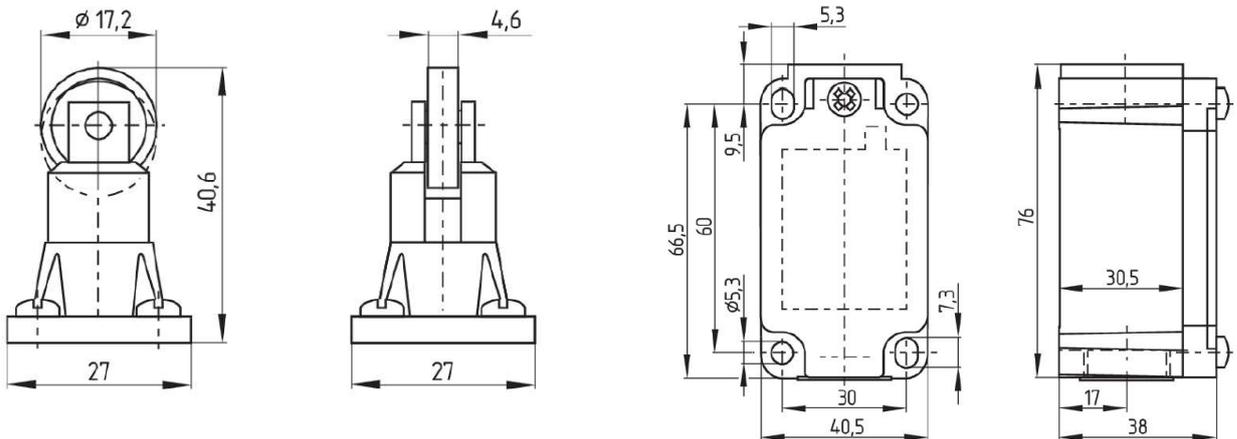
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Material Number 0120734

TENDERER TO PLEASE COMPLETE SCHEDULE B

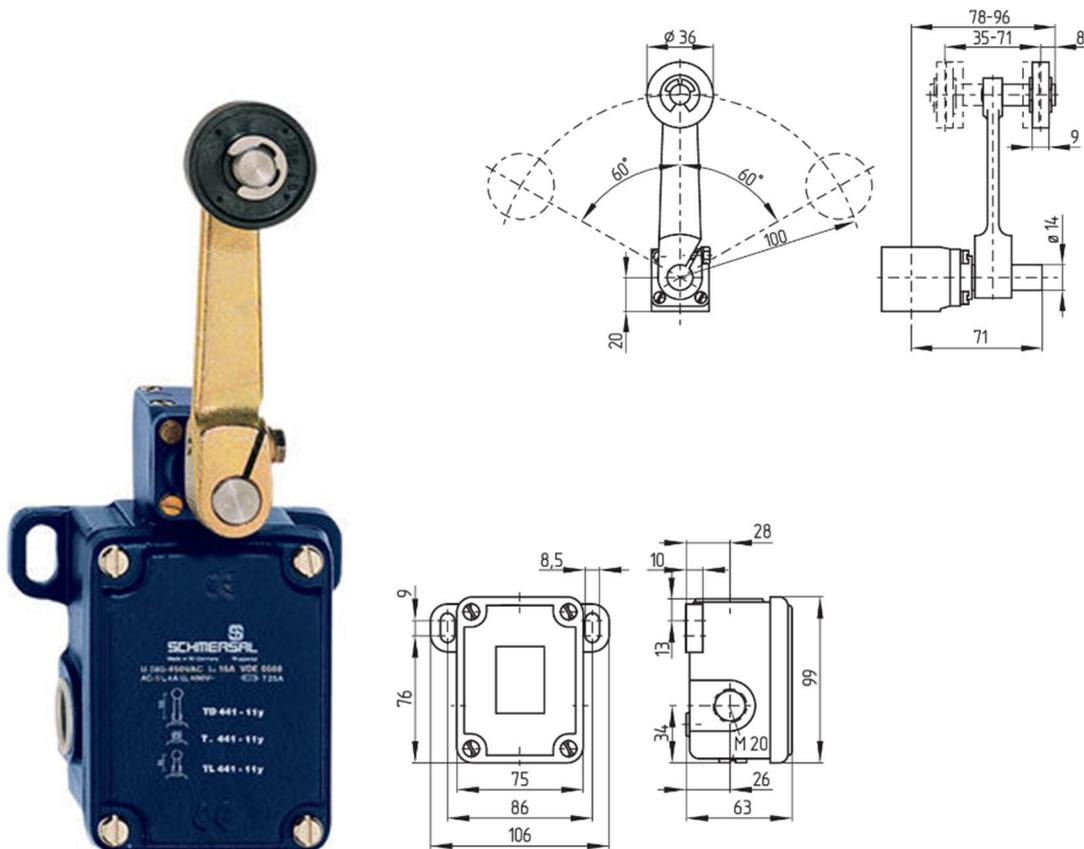
Criteria	Requirement (Schedule A)	Schedule B
Type	Roller plunger switch	
Switching/Actuating	Roller plunger	
Switch dimensions	40.5mm (w) x 116.6mm (h) x 38mm (d)	
Cable entry	M20x1.5	
Contact	2NC contacts	
Terminal connection	Screw-type terminals	
Contact Rating	500 V, 4 A	
Ambient temp	-30 °C → +80 °C	
Additional/ part nr	TR 335-02ZH, Schmersal	



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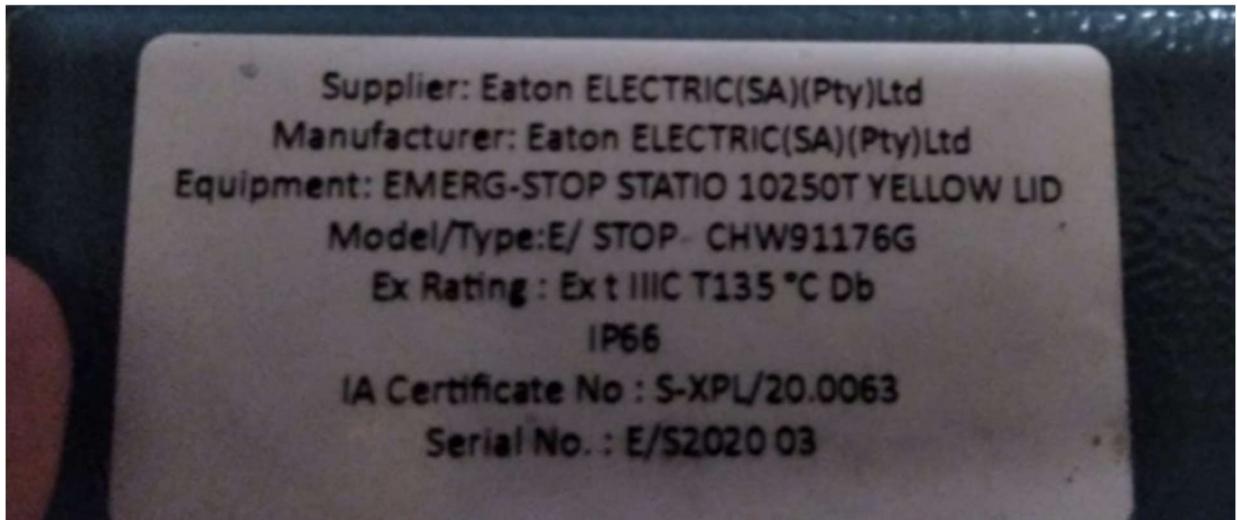
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Material Number 0120844		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Limit Switch	
Switch	1NO/1NC	
Rating	14 A @ 400 VAC	
Enclosure material	Grey cast iron, galvanised	
Roller material	Plastic	
Actuating element	Roller lever	
Electrical Connection	M20 X 1.5 cable entry, screw terminals	
Protection	IP65	
Additional Info/ part nr	Schmersal TD 441-11Y-M20	



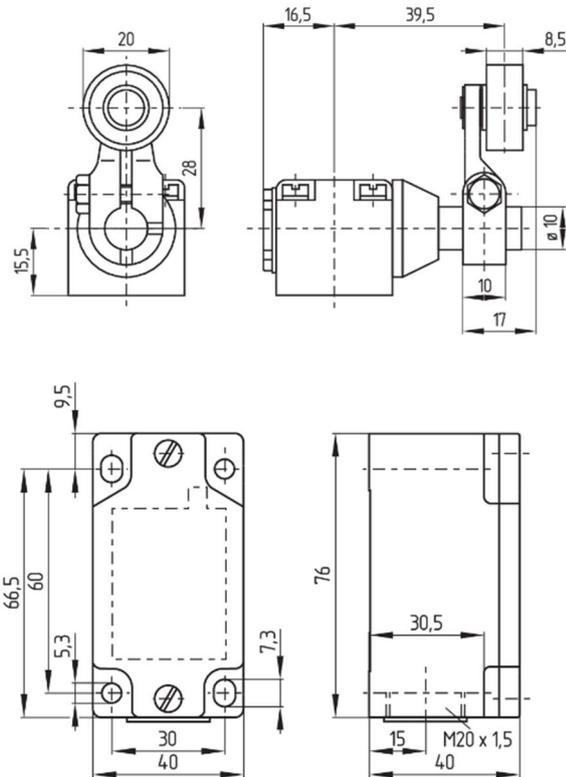
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Material Number 0120845		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Emergency Stop	
Switch	1NO/1NC	
Rating	230 VAC	
Head Style	Mushroom, red, turn to release	
Mounting	Complete control station (not only pushbutton), surface mount	
Size	Footprint 90mm x 100mm	
Protection	IP66	
Additional Info/ part nr	Cutler Hammer CHW91176G	



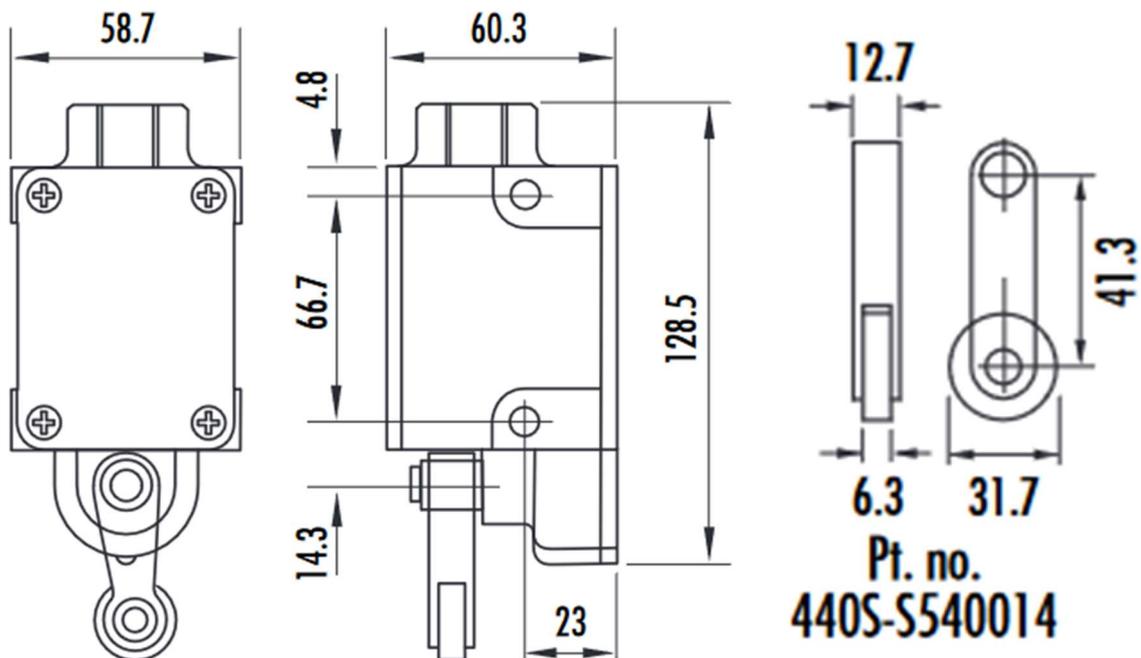
Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
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Material Number 0120846		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Limit Switch	
Switch	1NO/1NC	
Rating	6 A @ 230 VAC	
Enclosure material	Light-alloy diecast, paint finish	
Actuating element	Roller lever	
Electrical Connection	M20 X 1.5 cable entry, screw terminals	
Protection	IP65	
Additional Info/ part nr	Schmersal MV8H 330-11Y-M20	



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Material Number 0120849		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Limit Switch	
Switch	1NO/1NC	
Rating	10 A @ 240 VAC	
Electrical Connection	M20 X 1.5 cable entry, screw terminals	
Protection	IP66	
Additional Info/ part nr	Rockwell Automation Limit Switch = 440S-S560010 Lever = 440S-S540014	



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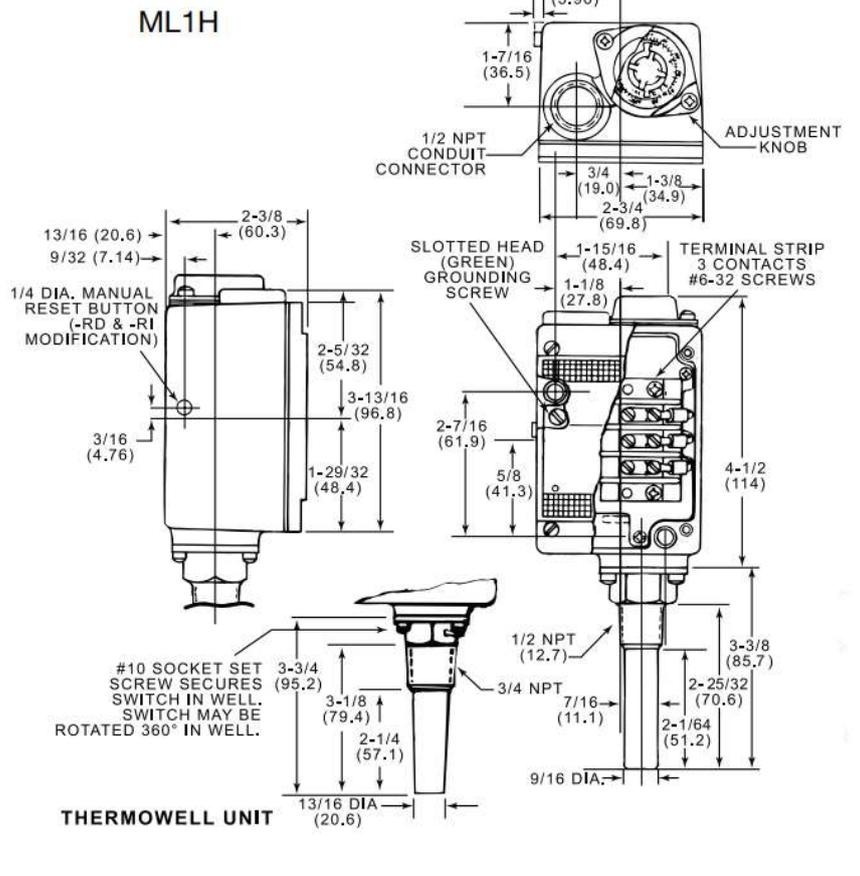
Material Number 0120858		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Rotary head limit switch	
Switching/Actuating	Rotary head	
Switch dimensions	43mm (w) x 109mm (h) x 60mm (d)	
Cable entry	1 entry tapped for Pg 13.5 cable gland	
Contact	DPDT	
Terminal connection	Screw-type terminals	
Contact Rating	240 VAC, 3 A	
Ambient temp	-25 °C → +70 °C	
Additional/ part nr	ZCKJ4104, Scneider	



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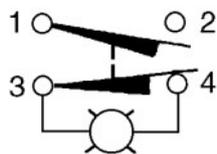
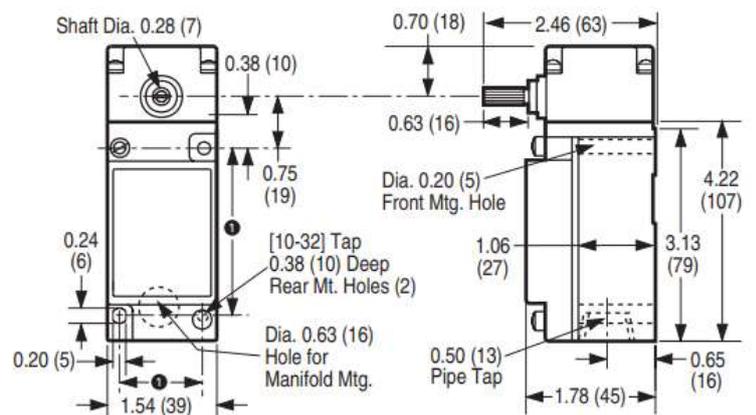
Material Number 121114		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Temperature switch	
Switching/Actuating	Temperature	
Switch dimensions	69.8mm (w) x 200mm (h) x 60.3mm (d)	
Cable entry	½ NPT conduit connector	
Contact	1NO + 1NC	
Terminal connection	Screw-type terminals	
Contact Rating	480 VAC, 3 A	
Adjustable range	+66 °C → +232 °C	
Media temperature	-18 °C → +260 °C	
Additional/ part nr	MLIH-H454 Barksdale	



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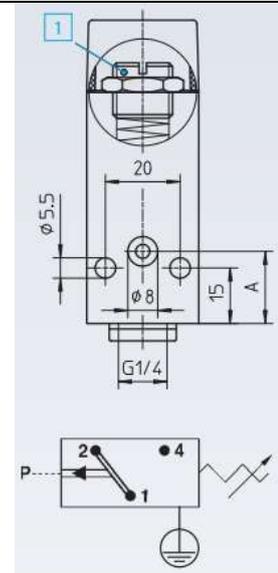
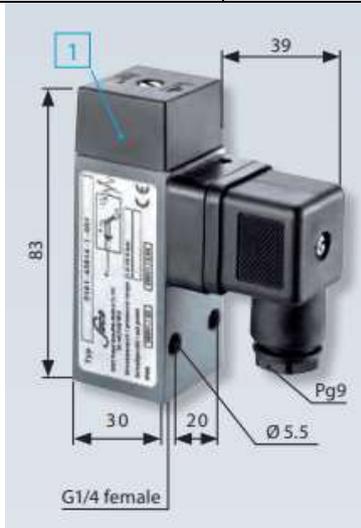
Material Number 121186		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Roller lever switch	
Switching/Actuating	Roller lever	
Switch dimensions	63mm (w) x 125mm (h) x 39mm (d)	
Cable entry	1/2 in NPT or 20 mm threading	
Contact	1NO + 1NC	
Terminal connection	Screw-type terminals	
Contact Rating	600 V, 12 A	
Ambient temp	-12 °C → +94 °C	
Additional/ part nr	E50 Modular Plug-In Limit Switch, EATON	

Available as Assembled Switches or Components



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Material Number 0121275		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
Max pressure	200 Bar	
Adjustable range	1 to 10 Bar	
Hysteresis range	About 10 - 30 % (adjustable by factory)	
Process connection	G 1/4 - internal thread	
IP Rating	IP65 with attached socket device	
Contacts	1NO 1NC	
Contact Rating	250VAC, 5 A	
Cable Entry	Socket device	
Switch body height	83 mm	
Switch body depth	30 mm	
Switch body width	30 mm	
Mounting holes	5.5 mm diameter	
Measured medium	Oil	
Additional/ part nr	SUCO 0161-43814-1-001 DIAPHRAGM PRESSURE SWITCH	



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Material Number 0121651		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
P max	10 bar	
Adjustable range	0.4 to 4 bar	
Process connection	32 MM FNPT	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	250VAC, 5 A	
Additional Info/ part nr	PB17A/RE10A42 PRESSURE SWITCH, Asco Tripoint	

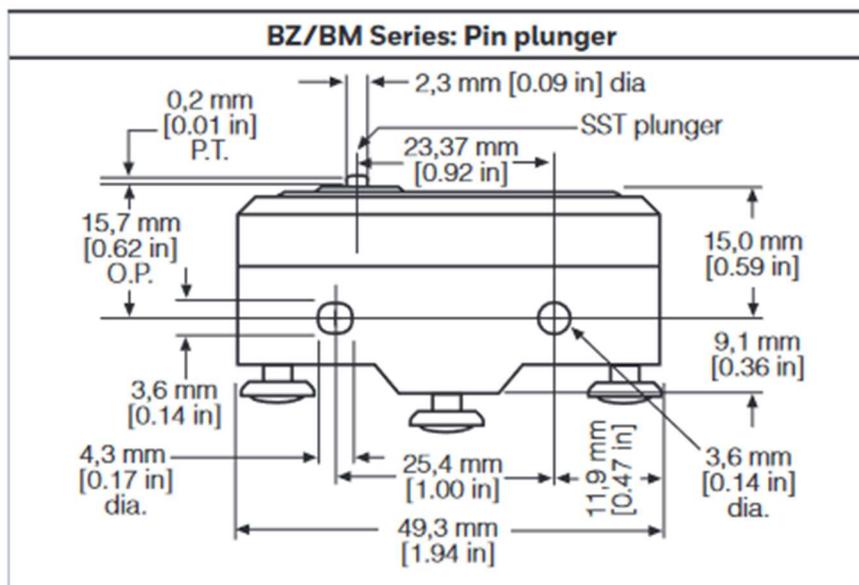


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Material Number 0121652		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Micro Switch	
Switch	SPDT	
Rating	15 A @ 250 VAC	
Actuator	Plunger	
Mounting	Chassis	
Additional Info/ part nr	Honeywell BZ-2R-A2	

BZ/BA type



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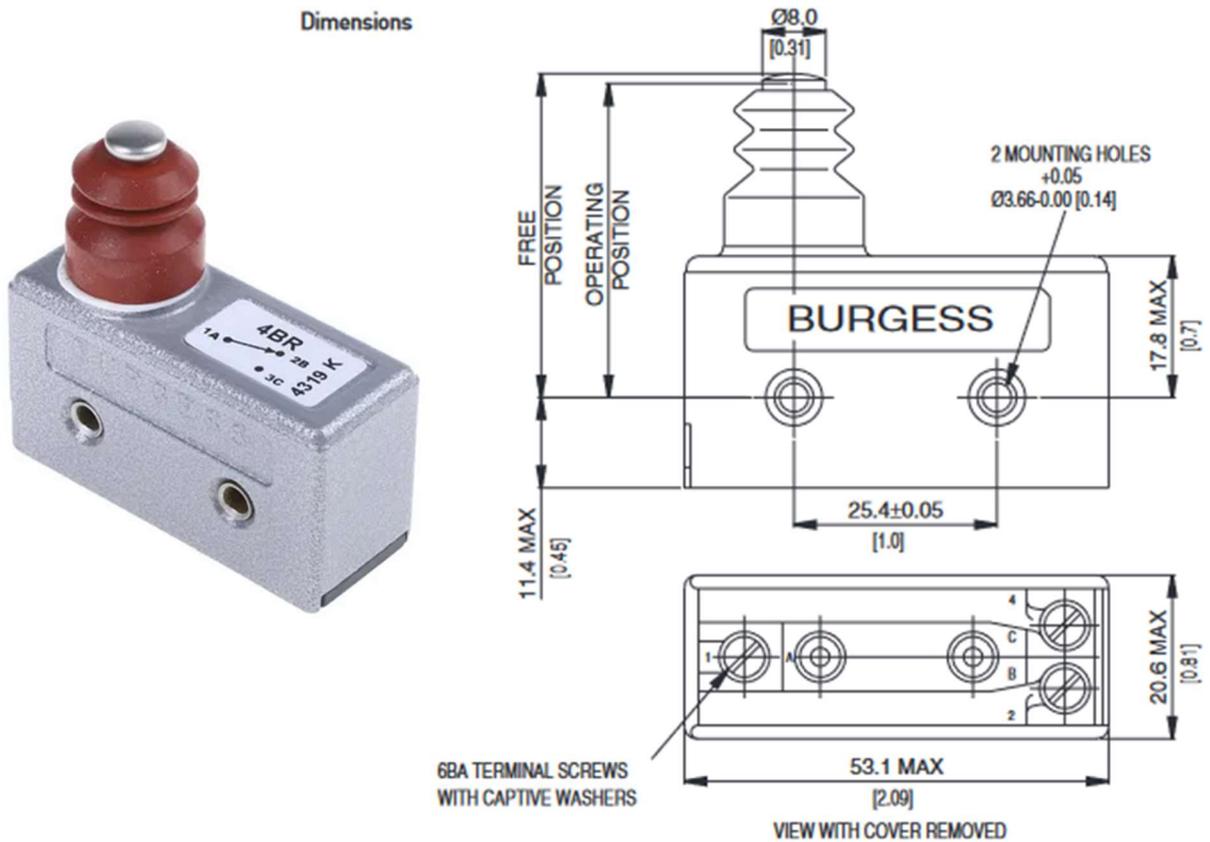
Material Number 0121690		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
P max	10 bar	
Adjustable range	0.4 to 4 bar	
Process connection	11 MM FNPT	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	250VAC, 5 A	
Additional Info/ part nr	PB17A/RE10A21PRESSURE SWITCH, Asco Tripoint	



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Material Number 0121692		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Micro Switch	
Switch	Single pole change-over	
Rating	10 A @ 250 VAC	
Housing	Zinc alloy	
Plunger	Stainless Steel	
Actuator	Plunger	
Protection	IP54	
Terminals	Removable screw terminals, insulated cover plate	
Additional Info/ part nr	Saia-Burgess SP-NO/NC Plunger Microswitch 4BR	



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Material Number 121694		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Micro switch, single pole snap action	
Switching/Actuating type	Lever with roller (diagram A)	
Lever and roller dimension	Arm length 51mm, roller 4mm (diagram A)	
Switch dimensions	60.5mm x 39mm (Diagram B)	
Mounting holes	4.1mmdia, 38mm apart, 40mm from top (Diagram B)	
Contact	1NO	
Terminal connection	M3.5 (Max cable 2.5mm ²)	
Contact Rating	6A 600VAC	
Additional info/part nr	CRAIG AND DERICOTT MODEL NO: A/06 A2/33	

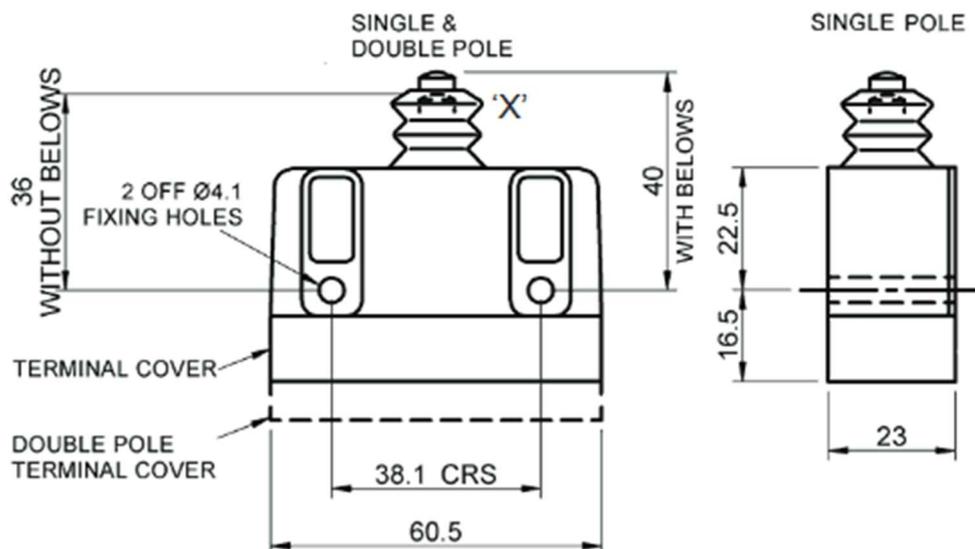
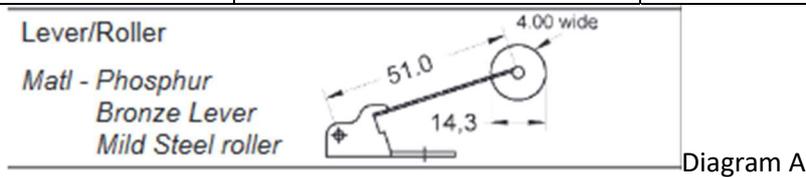
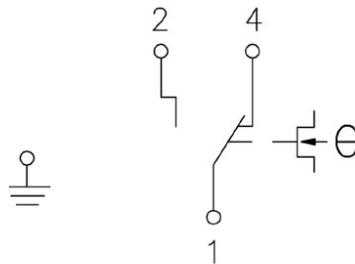


Diagram B

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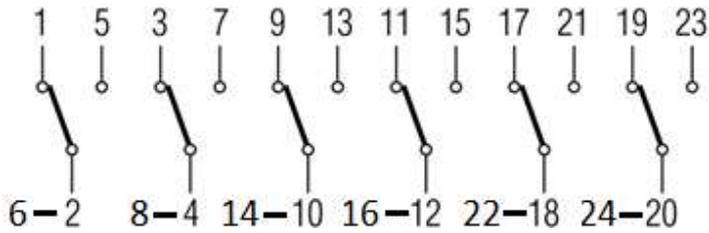
Material Number 121702		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Flow switch, paddle type	
Max pressure	5 Bar	
Hysteresis range	Depends on the pipe diameter	
Process connection	1-1/4 IN-NPT	
IP Rating	IP67	
Contacts	1NO 1NC	
Contact Rating	250VAC, 5 A	
Cable Entry	Whitworth pipe thread R1"	
Switch body height	130 mm	
Switch body depth	67 mm	
Switch body width	71 mm	
Measured medium	Oil	
Additional info/ part nr	ALRE-IT JSF-1E flow switch	



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Material Number 0121707

Material Number 0121707		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Rotary switch	
Switching/Actuating	Rotary	
Switch dimensions	48mm (w) x 48mm (h)	
Cable entry	Open terminals	
Contact	6PDT	
Terminal connection	Screw-type terminals	
Contact Rating	24 V, 20 A	
Additional info/ part nr	CA10A370-600E, Kraus-and-Naimer Must come with hand lever part as in picture below	

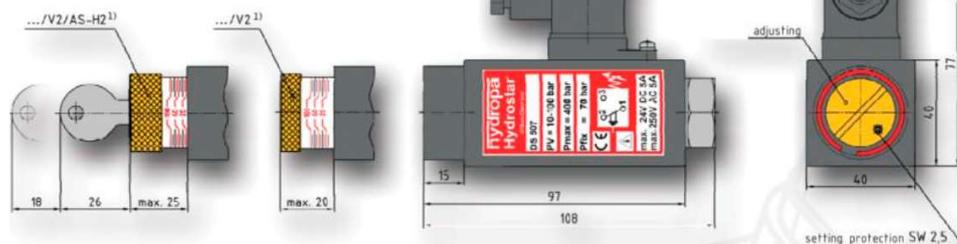


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Material Number 0121718		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Differential Pressure switch	
Max pressure	200 Bar	
Adjustable range	5 to 55 Bar	
Hysteresis range	7-12% at the final value at a set pressure of approx. 60-70% of the max. adjustable switching pressure.	
Process connection	FNPT ½ In	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	250VAC, 3 A	
Cable Entry	Socket device	
Switch body height	108 mm	
Switch body depth	40 mm	
Switch body width	30 mm	
Mounting holes	5.5 mm diameter	
Measured medium	Oil	
Additional info/ part nr	Hydropa DS 502 pressure switch	

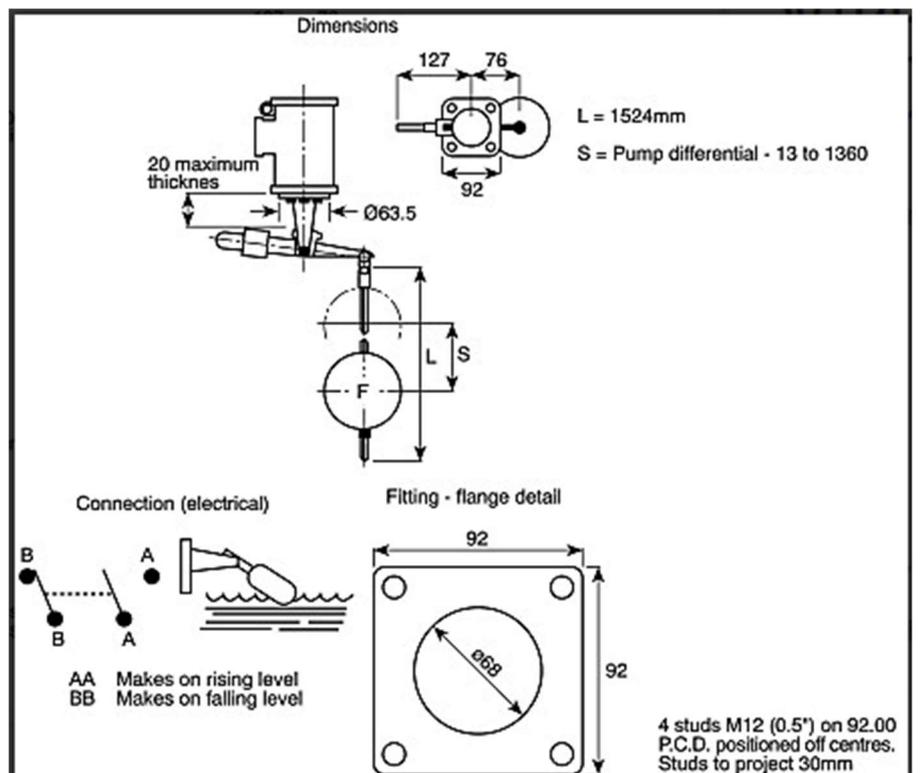


Type DS-507/** or DS-502/**



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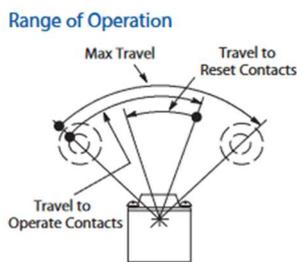
Material Number 121730		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Type	Vertical magnet float switch	Schedule B
IP Rating	IP66	
Contacts	1NO +1NC SPST snap action	
Contact Rating	>220VAC >1A (Higher or equal)	
Cable Entry	M20x1.5-6H	
Switch housing Dimension	From flange: 125mm(h) x 103mm(w) – Dimensions are not critical	
Float dimensions	129mm (round sphere)	
Measured medium	Water (SG of 1)	
Rod Length	1524mm (to be cut to size in plant)	
Mounting flange	92mm x 92mm with 4xM12 studs	
Body material	Aluminium Bronze	
Float and Rod Material	316SST	
Additional info/part nr	Delta Mobrey S01DB/F21/1	



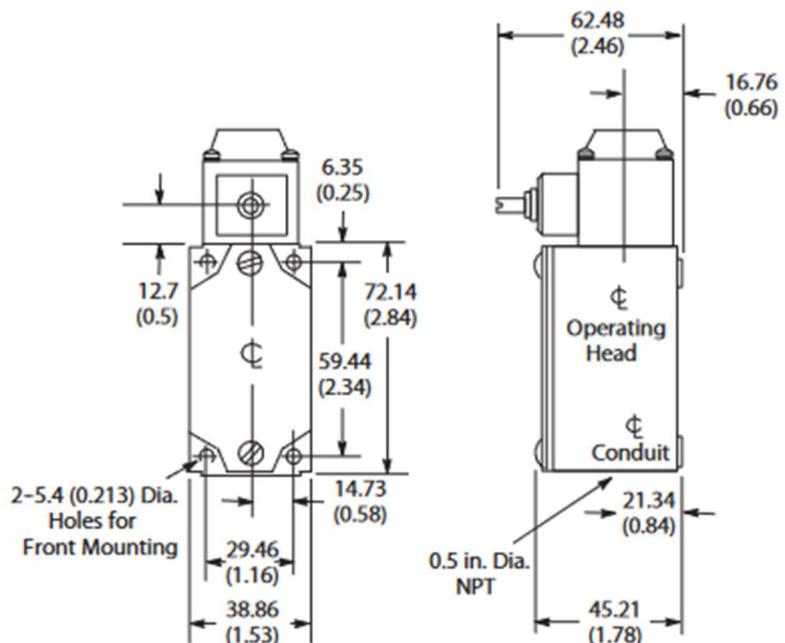
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Material Number 121737		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Maintained contact – Snap action	
IP Rating	IP67	
Contacts	1NO 1NC	
Contact Rating	>120VAC >1A (higher or equal)	
Cable Entry	½" NPT	
Switch body height	72.14mm	
Switch body depth	45.21mm	
Switch body width	38.16mm	
Mounting holes	5.4mmdia 59.44mm(refer to pic)	
Lever		
Additional info/part nr	Allen Bradley 802T-AM6USD	

Approximate Dimensions [mm (in.)]



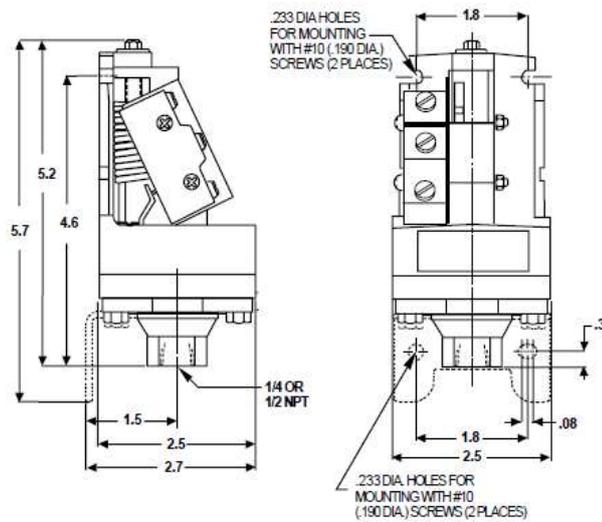
Maintained Contact Models



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Material Number 0121962		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
P max	60 psig	
Adjustable range	0 to 9 psig	
Process connection	½ NPT	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	250VAC, 5 A	
Additional info/ part nr	PB31A PRESSURE SWITCH, Asco Tripoint	



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Material Number 0121963		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
P max	5000 psig	
Adjustable range	160 to 1650 psig	
Process connection	½ NPT	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	250VAC, 5 A	
Additional info/ part nr	PB21A PRESSURE SWITCH, Asco Tripoint	



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Material Number 121965		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
Switching/Actuating	Pressure	
Pressure range	0-274 mbar	
Contact	1NO + 1NC	
Terminal connection	Screw-type terminals	
Contact Rating	250 VAC, 5 A	
Additional	Text say it's temperature switch	
Info: Material part number: PB47A, ASCO pressure switch		



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Material Number 0121968		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
P max	60 psig	
Adjustable range	0 to 4 psig	
Process connection	½ NPT	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	250VAC, 5 A	
Additional info/ part nr	PB46A PRESSURE SWITCH, Asco Tripoint	

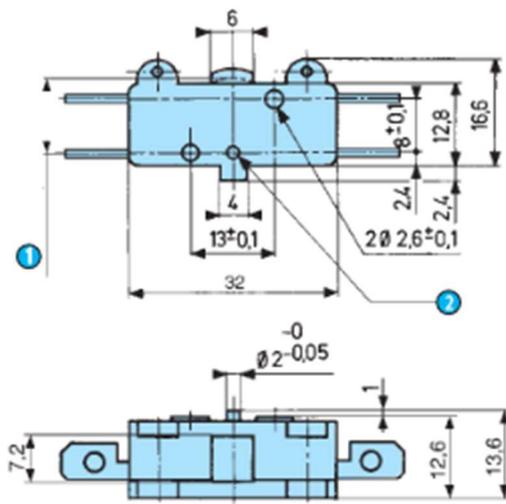


Open Frame

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Material Number 121975		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Micro switch, double pole double break snap action	
Switching/Actuating	4N 0.5mm differential travel (diagram A)	
Contact gap	0.4mm	
Switch dimensions	32mm (w) x 16.6mm (h) x 13.6mm (d) (Diagram A)	
Mounting holes	2mmdia, 15mm apart diagonal 13mm Horizontal (Diagram A)	
Contact	1NO + 1NC	
Terminal connection	6.35mm Clips (Diagram B)	
Contact Rating	5A 250VAC	
Ambient temp	-40 °C → +85 °C	
Additional info/ part nr	Crouzet 83106 W3	

83 106

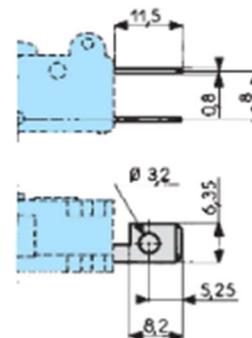


- ① OL = 10.65
- ② $\varnothing 2^{+0.01 +0.65}$ Depth 1.2

A

Diagram B

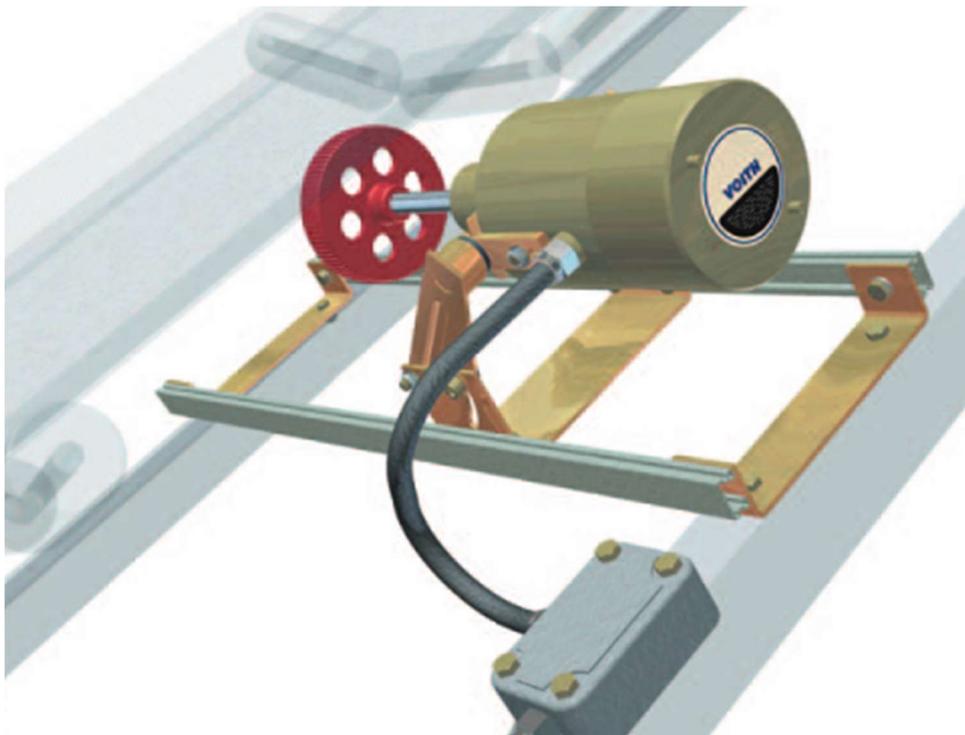
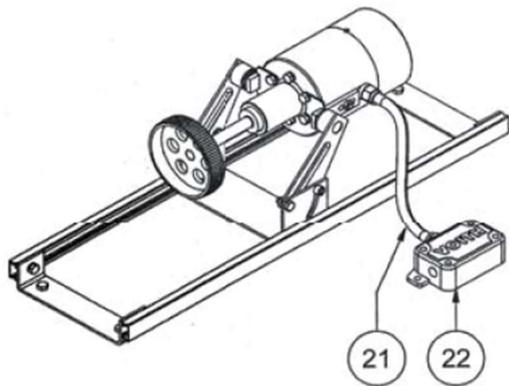
W3 for 6.35 mm clips



Diagram

Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 0121989		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Centrifugal Speed Switch	
Switch	NO	
Rating	5 A @ 250 VAC	
Calibration	286 RPM	
Additional Info	Voith	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 0122012		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Roller lever switch	
Switching/Actuating	Roller lever	
Switch dimensions	53mm (w) x 60mm (h)	
Contact	1NO + 1NC	
Contact Rating	380 VAC, 10 A	
Additional	IP66	
Info: ACTUATION BY 30 DEG CAM, MAXIUM SPEED 1.5M/S		

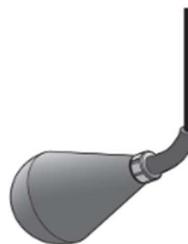
Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 122014		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Differential Pressure switch	
Max pressure	60 psi	
Adjustable range	0.5 – 160 psi	
Process connection	1/8 NPT Female	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	250VAC, 3 A	
Additional info/ part nr	DPD1T-M80SS pressure switch, Barksdale	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 123639		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Float level switch	
Switching/Actuating	Tilt/Float (Diagram A)	
Ingress Protection	IP68	
Body material	Polypropylene/PVC	
Cable material	PVC	
Contact	1NO + 1NC	
Action	SPDT (Diagram B)	
Contact Rating	10A 250VAC	
Ambient temp	-20 °C → +80 °C	
Process temp	0 °C → +60 °C	
Cable length	6m	
Additional	Chemical resistant	
Info:		

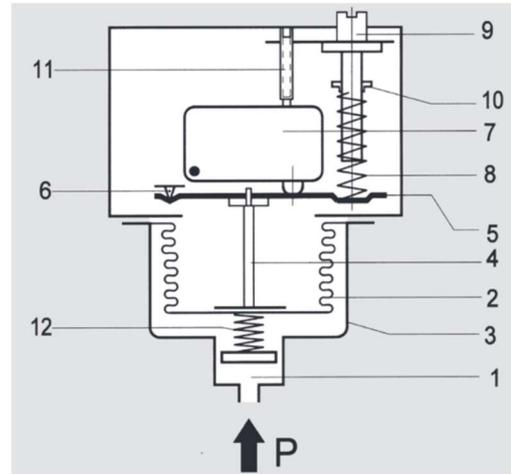


Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 123701		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
Switching/Actuating	Microswitch (Diagram B)	
Ingress protection	IP54	
Process connection	1/2" BSP	
Housing	Cast aluminium (Diagram A)	
Range	50-600kPa	
Contact	1NO + 1NC	
Action	SPDT	
Potential	5A 240VAC	
Ambient temp	-20 °C → +70°C	
Process temp	0 °C → +85 °C	
Additional info/part nr	Honeywell DNS6-201	

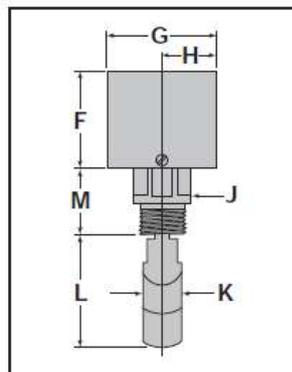
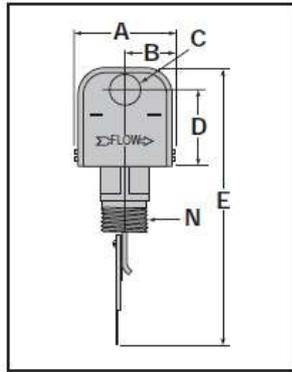


- 1 = Pressure connection
- 2 = Measuring bellows
- 3 = Sensor housing
- 4 = Thrust pin
- 5 = Connecting bridge
- 6 = Pivot points
- 7 = Microswitch or other switching elements
- 8 = Setting spring
- 9 = Setting spindle (switching point adjustment)
- 10 = Running nut (switching point indicator)
- 11 = Microswitch calibration screw (factory calibration)
- 12 = Counter pressure spring



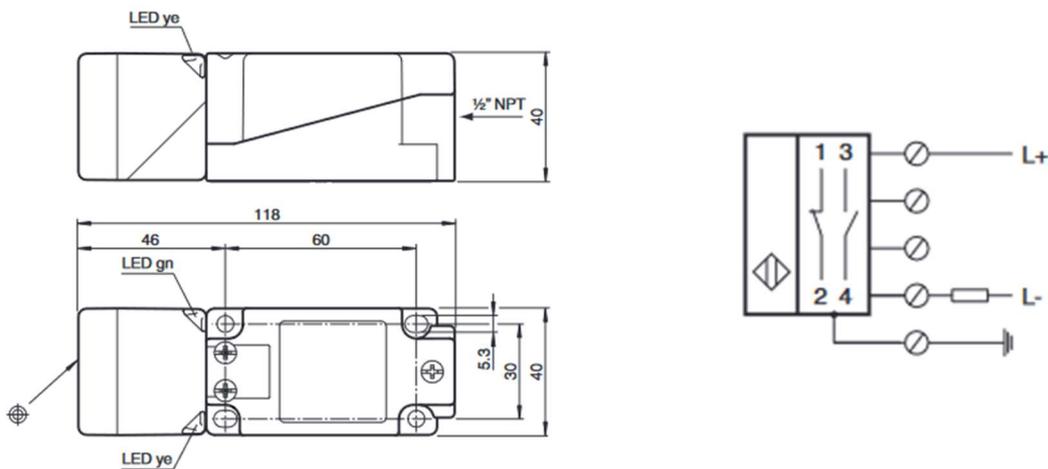
Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 0123707		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Flow switch, paddle type	
Max pressure	160 psi	
Max flow	47 gpm	
Process connection	1 $\frac{1}{4}$ IN NPT	
Contacts	1NO 1NC	
Contact Rating	250VAC, 5 A	
Cable Entry	Two electrical knock-outs allows connection from either end.	
Switch body height	211 mm	
Switch body depth	76 mm	
Switch body width	86 mm	
Additional info/part nr	FS4-3J flow switch, 1 $\frac{1}{4}$ IN process connection	



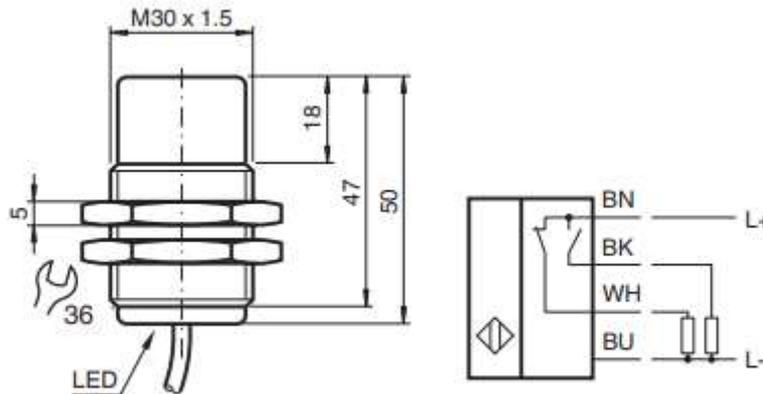
Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 0147744		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Inductive sensor	
Switching Function	NO/NC	
Output Type	Two-wire DC	
Rated Operating Distance	40 mm	
Installation	Non-flush	
Nominal Voltage	5 – 60 VDC	
Switching Frequency	0 – 100 Hz	
Switching State Indicator	2 LED, yellow	
Connection Type	screw terminals	
Housing Material	PA/metal with epoxy powder coating	
Sensing Face	PA	
Degree of Protection	IP68 / IP69K	
Additional Info/ part nr	Pepperl+Fuchs NBN40-U4-Z2	



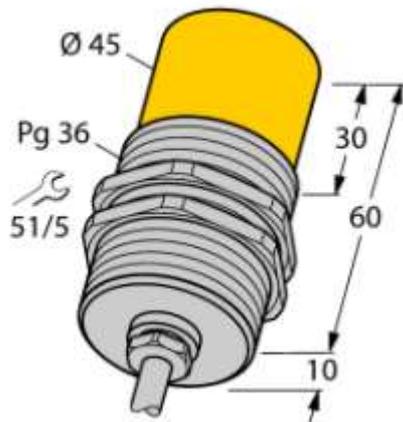
Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 148120		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Proximity switch	
Output type	PNP	
Assured operating distance	0-12.15 mm	
Output type	4 wire	
Hysteresis	Typ. 5%	
Operating voltage	10 ... 60V	
Switch dimensions	63mm (w) x 125mm (h) x 39mm (d)	
Ambient temp	-25 °C → +75 °C	
IP Rating	IP 67	
Additional info/part nr	NJ15-30GM50-A2	



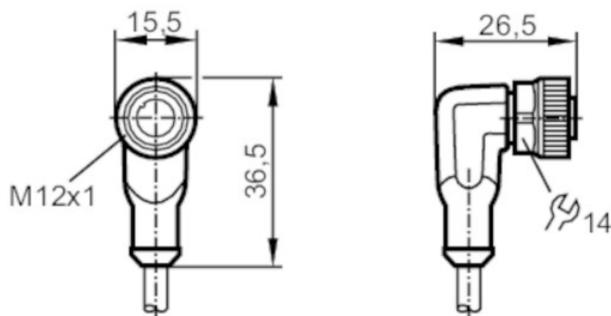
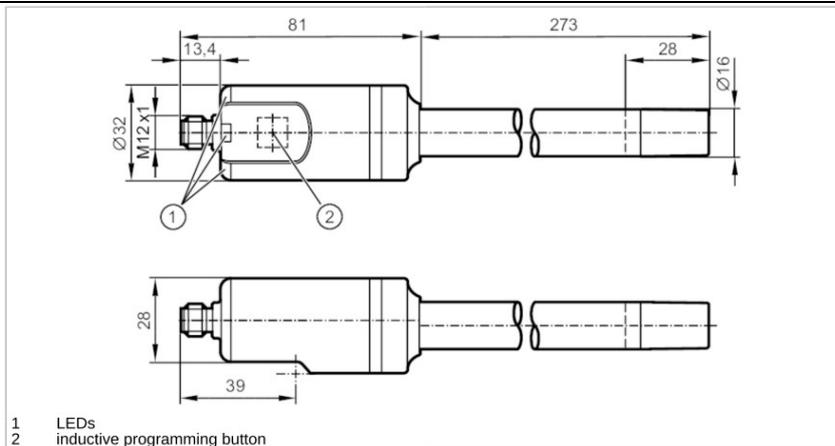
Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 148967		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Proximity switch	
Output type	PNP	
Rated switching distance	25mm	
Mounting conditions	Non-flush	
Output type	2 wire	
Hysteresis	1...10 %	
Operating voltage	Nom. 8.2 VDC	
Switch dimensions	63mm (w) x 125mm (h) x 39mm (d)	
Ambient temp	-25 °C → +75 °C	
IP rating	IP 67	
Additional info/part nr	NI25-G47-Y1, proximity switch, Turck	



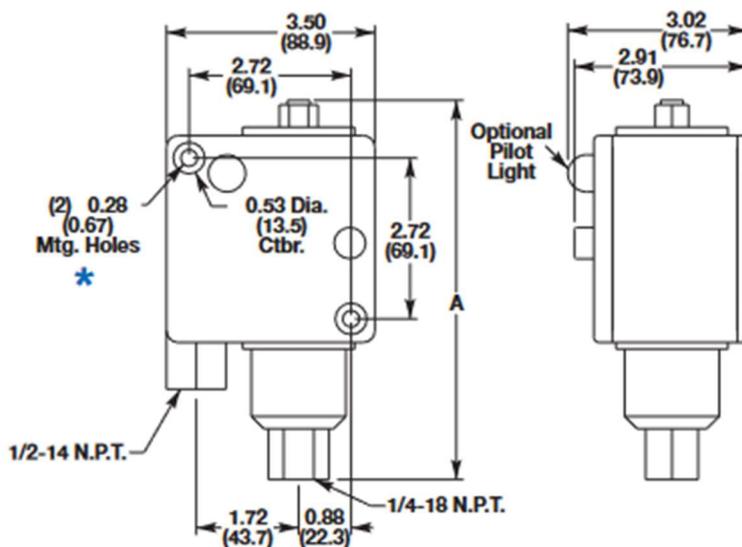
Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 0212523		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Sensor for point level detection	
Measuring principle	Capacitive	
Media	Liquids (Water / Oil)	
Operating Voltage	24VDC	
IP Rating	IP68	
Outputs	2 (PNP / NPN)	
Cable	EVC005 (5m, M12 connector)	
Probe Length	273mm	
Probe Diameter	16mm	
Additional Info:		
Replacement or same as original installed type IFM LI5132 (previously LI5142) + EVC005 cable https://www.ifm.com/za/en/product/LI5132 https://www.ifm.com/za/en/product/EVC005		



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 588051		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch with independent range and differential (hysteresis) setting	
Max pressure	42Bar	
Adjustable range	1.4....21Bar	
Hysteresis range	0.7....3.3Bar	
Process connection	¼" NPTF female pipe connection	
IP Rating	IP66	
Contacts	1NO 1NC	
Contact Rating	>120VAC >1A (higher or equal)	
Cable Entry	½ NPT	
Switch body height	89mm	
Switch body depth	76mm	
Switch body width	89mm	
Mounting holes	7mmDia, 69mm horizontal & vertical spaced. Diagonal opposite	
Measured medium	Steam	
Additional info/part nr	Allen Bradley 836T-T254JS60	



Length A = 176mm

Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

Material Number 592657		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Industrial	
Application	Fire System	
Adjustable range	1.....110 PSI	
Max Pressure	17 Bars	
Process connection	G 1/4" to BS2T19	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	24VDC, 5 A	
Switch body height	165mm	
Switch body depth	68mm	
Switch body width	88mm	
Specification	NF12177-SE 12200	
Reference Number	ACW1	
Measured medium	Water/Air	
Additional		
Vendors are responsible for ensuring that they are performing against the correct drawing revision number (if applicable)		

Type ACW Bellows actuated pressure switches

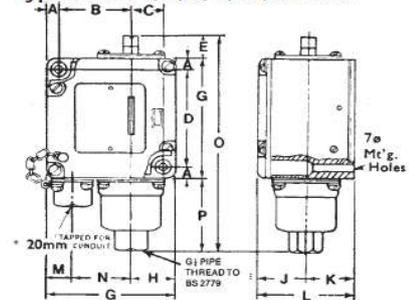


Single pole – double throw contacts (1NO+1NC)

Range setting		Adjustable Differential		Maximum allowable pressure		Order Class 9012
Bars	PSI	Bars	PSI	Bars	PSI	Type...
0.1- 0.7	1-10	0.04- 0.3	0.6-5	2	30	ACW-3
0.1- 1.3	1-20	0.07- 0.4	1-6	2	30	ACW-4
0.1- 5.1	1-75	0.3 - 1	4-15	7	100	#ACW-5
0.1- 7.5	1-110	0.5 - 2	7-30	17	255	●ACW-1
1.4- 12	20-180	0.7 - 2	10-30	17	255	●ACW-8
0.7- 18	10-265	1.1 - 1.7	15-25	20	300	ACW-9
0.7- 20	10-300	1.7 - 8.6	25-125	41	600	ACW-2
5.2- 34	75-500	3.5 - 8	50-120	137	2000	ACW-6
10.4- 69	150-1000	5.9 -10	85-145	137	2000	ACW-7
24.1-131	350-1900	11 -20	150-300	172	2500	ACW-10

Replacement Snap Switch assembly - Class 9007 Type AO-1

Types ACW-1, 5, 8, 9, 21, 28 & 29



Types ACW-1, 5, 8, 9, 21, 25, 28 & 29
Net Weight - 1.55 kg

A	B	C	D	E	F	G	H	J	K
10	48	21	69	17	19	88	31	37	31

Type	L	M	N	O	P	Q	R
ACW-3, 4, 23 & 24 *	68	11	46	188	83	-	-
ACW-1, 5, 8, 9, 21, 25, 28 & 29	68	19	39	165	60	12	24
ACW-2, 6, 7, 10, 22, 26, 27 & 30	68	18	39	173	68	221	116
ADW-3, 4, 5, 6, 7, 23, 24, 25, 26 & 27	68	19	39	176	71	-	-

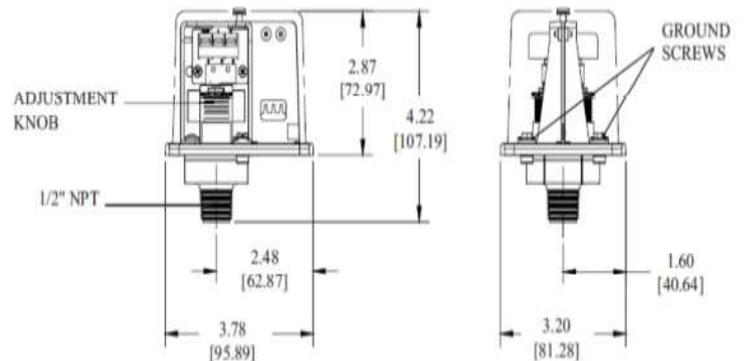
Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 596892		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
Max pressure	20.68 Bar	
Adjustable range	1-110 PSI	
Process connection	G1/4 IN-BSPP	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	24VDC, 5 A	
Switch body height	107 mm	
Switch body depth	81 mm	
Switch body width	96 mm	
Specification	BS 2779	
Reference Number	ACW-1	
Measured medium	Water/Air	
Additional		
Vendors are responsible for ensuring that they are performing against the correct drawing revision number (if applicable)		



Dimensions

Fig. 1



NOTE: To prevent leakage, apply Teflon tape sealant to male threads only.

Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 600359		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Point level switch	
Switching/Actuating	Capacitive	
Process connection	G 1 ½"	
Probe length	325mm, 316L	
Contact	1NO + 1NC	
Terminal connection	SPDT	
Potential	10-55VDC	
Ambient temp	-40 °C → +85 °C	
Process temp	--50 °C → +180 °C	
Additional	Compact probe	
Info:		

Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

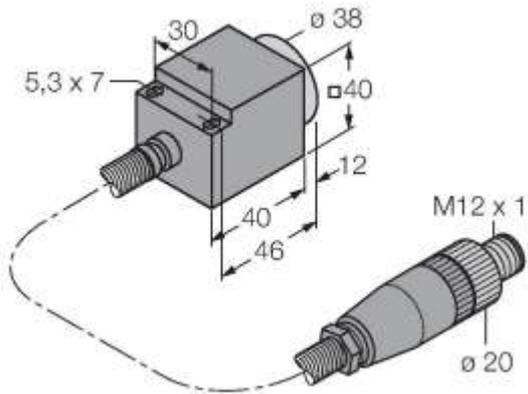
Material Number 0606098		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Proximity switch	
Output type	PNP	
Rated switching distance	2mm	
Contact	1 NC	
Output type	2 wire	
Hysteresis	1...10 %	
Operating voltage	24 VDC	
Switch dimensions	DIA 8 X LG 45 MM	
Ambient temp	-25 °C → +75 °C	
Additional	Mill grease system	
Info: Part number: ILS-019, JHP DIAGNOSTICS		

Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 0624422

TENDERER TO PLEASE COMPLETE SCHEDULE B

Criteria	Requirement (Schedule A)	Schedule B
Type	Proximity switch, inductive	
Output type	PNP	
Rated switching distance	25 mm	
Contact	1 NO	
Output type	3 wire	
Hysteresis	3...15 %	
Operating voltage	10 VDC	
Switch dimensions	52x40x40 mm (LxWxH)	
Ambient temp	0 °C → +250 °C	
Additional info/part nr	TURCK NI25-CQ40/S1102 5M	
Info: Secondary air heater		



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 0631502

TENDERER TO PLEASE COMPLETE SCHEDULE B

Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
Adjustable range	63 to 234 bar	
Process connection	¼ IN FNPT	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	250VAC, 2 A	
Additional info/part nr	Delaval Barksdale 9675-3	
Info: Mill trun jack oil		



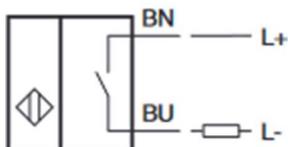
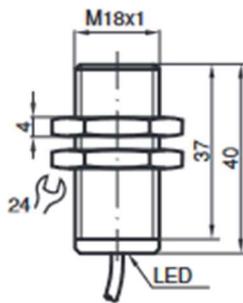
Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 0631503		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure switch	
Adjustable range	0 to 10 bar	
Process connection	¼ IN FNPT internal / External thread G ½"	
IP Rating	IP65	
Contacts	1NO 1NC	
Contact Rating	250VAC, 10 A	
Additional info/part nr	Honeywell DCM10	
Info: LP filter inl		



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

Material Number 0638573		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Inductive sensor	
Switching Function	NO	
Output Type	Two-wire DC	
Rated Operating Distance	5 mm	
Installation	flush	
Nominal Voltage	5 – 60 VDC	
Switching Frequency	0 – 500 Hz	
Switching State Indicator	all direction LED, yellow	
Connection Type	cable PVC, 2 m	
Housing Material	brass, nickel-plated	
Sensing Face	PBT	
Degree of Protection	IP67	
Additional Info	Pepperl+Fuchs NBB5-18GM40-Z0	

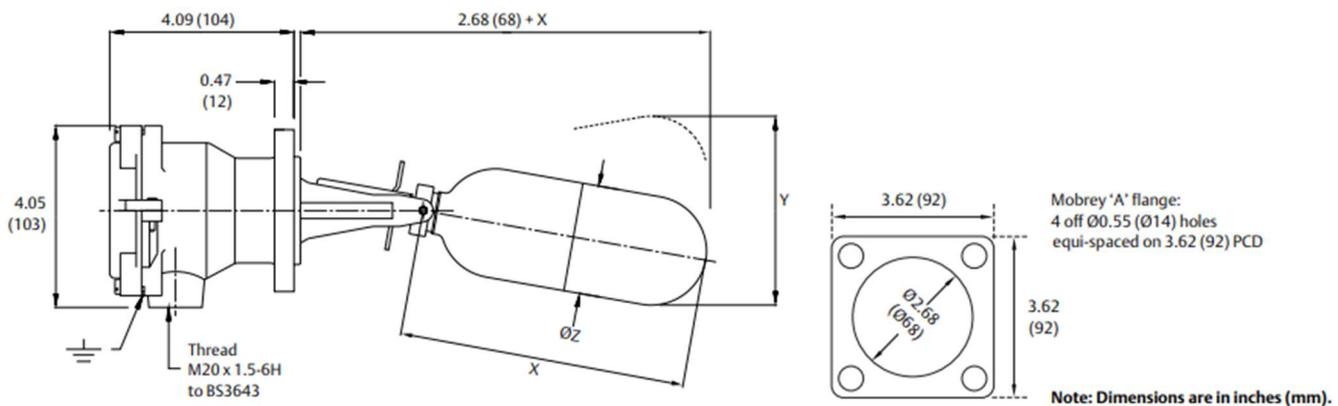


Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

Material Number 178586		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Level switch, Float (Magnetic)	
Measured Medium:	Demineralised water (Max temp rating: 400 °C)	
Contact Rating	POTENTIAL: 240 V, CURRENT: 2 A	
Contact Specification:	ACTION: 2 x SPST, ARRANGEMENT: 1NC 1NO	
DIMENSIONS:	See attached drawing	
ENCLOSURE	Material: Aluminium alloy, RATING: IP66	
Float:	General purpose high/low alarm, 316 SST, min. SG 0.71, 200 bar	
Flange (head)	316S33 Stainless steel wetside, 3 in. Gasket: ASME B16.5 Class 900	
Cable Entry	Nickel-plated brass gland with a fully insulated polychloroprene-nitrile rubber CR/NBR gasket seal. Clamping range for 8 to 13 mm OD cable	
Additional:	Horizontal Float Switch, Snap-Action Mobrey Model No: S490DA/F107	

Float Type	Minimum S.G.	Max. P@T _{Room} PSI (Bar)	Max. T _{Process} °F (°C)	Differential in. (mm)	Dimension X in. (mm)	Dimension Y in. (mm)	Dimension øZ in. (mm)	Float Material
F107	0.71	2900 (200)	752 (400)	0.51 (13)	6.77 (172)	4.72 (120)	2.46 (62.5)	316 SST



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

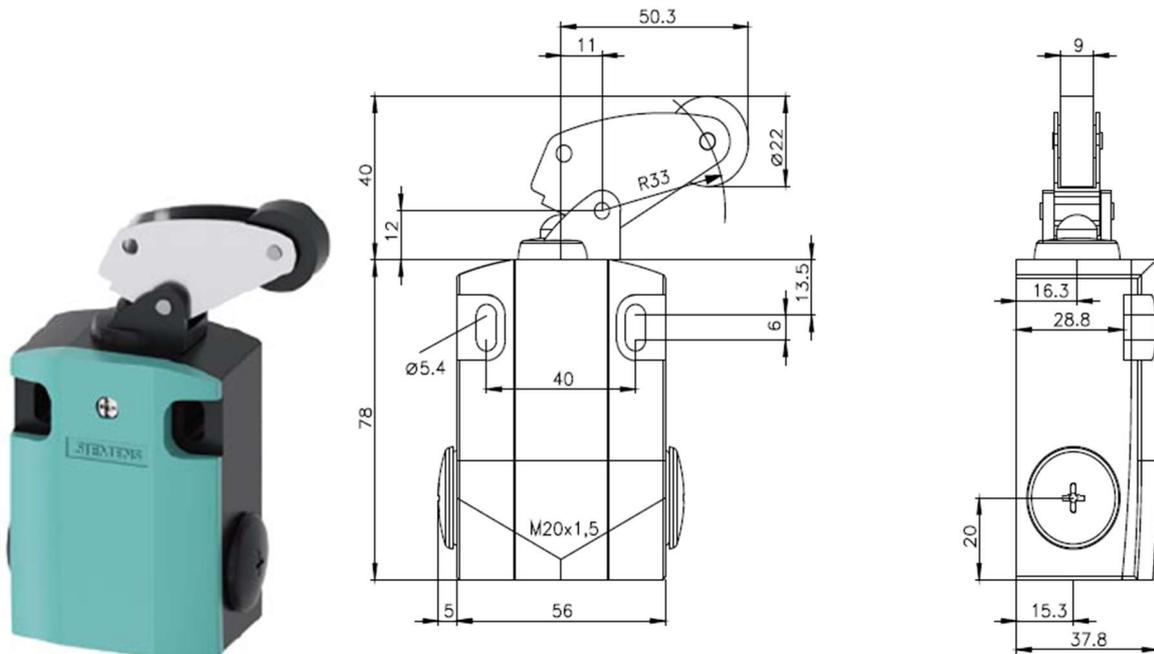
Material Number 120204		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Limit Switch, Plunger	
Contact Rating	POTENTIAL: 400 V, CURRENT: 10 A	
Contact Specification:	ACTION: DPST, ARRANGEMENT: 1NO 1NC	
Enclosure Specification:	Rating: IP66 Material: Metal, Body dimensions: 64 mm W x 64 mm H x 30 mm D	
Mounting	Screw fixing (x2). See attached drawing	
Additional:	Cable entry: PG 11 cable gland	
Information:	Replacement to be original installed type or equivalent (Telemecanique PART NO: ZCK-M1 or PART NO: ZCK-M1)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

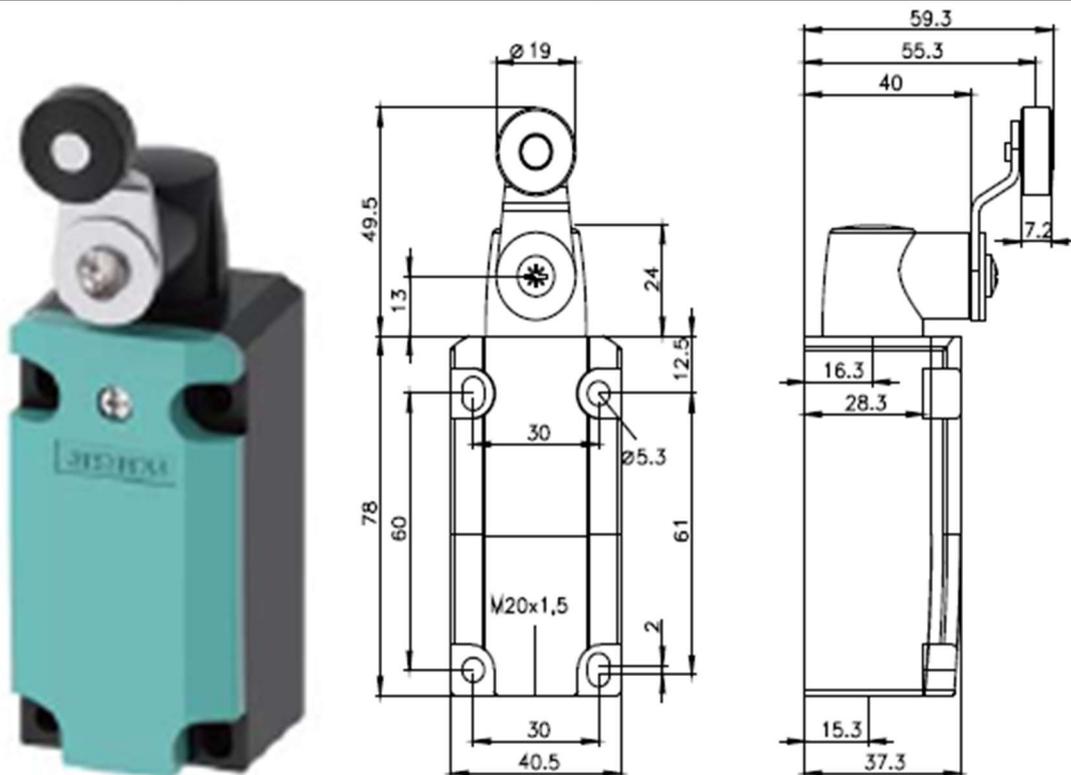
Material Number 120804		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Limit Switch, Angular Roller Lever	
Contact Rating	POTENTIAL: 500 VAC, CURRENT: 10 A	
Contact Specification:	ACTION: DPST, ARRANGEMENT: 1NO 1NC	
Enclosure Specification:	Rating: IP67 Material: Metal, Body dimensions: See attached drawing	
Mounting	Screw fixing (x2). See attached drawing	
Additional:	Cable entry: M20 x 1.5 cable gland	
Information:	Replacement to be original installed type or equivalent (REFERENCE NO: 3SE5122-OCF01)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

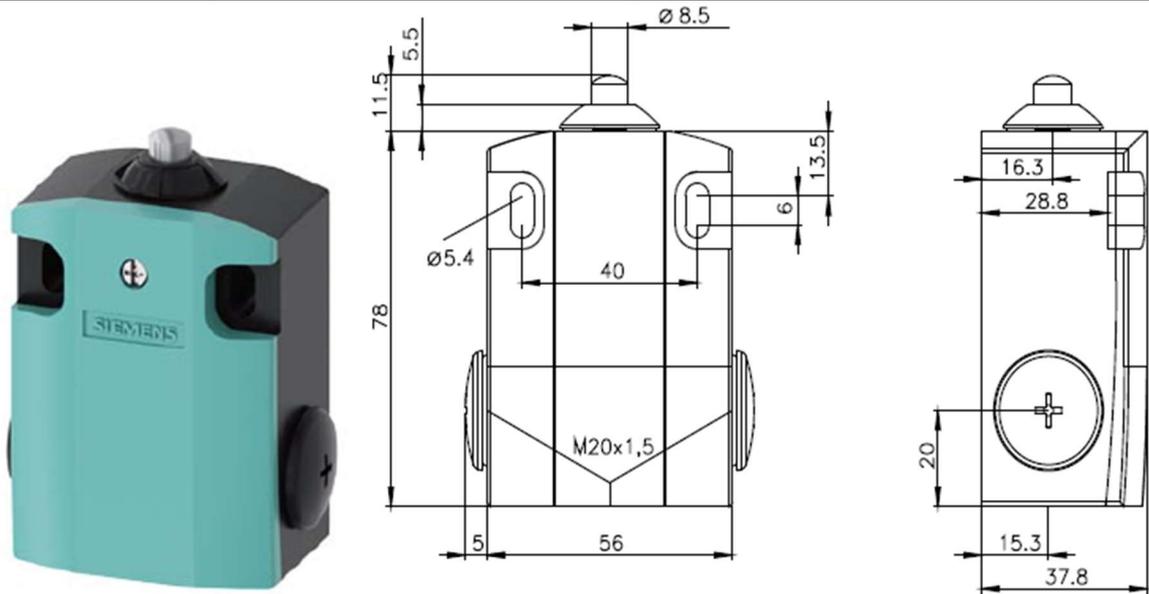
Material Number 0120806		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Limit Switch, Roller Lever	
Contact Rating	POTENTIAL: 500 VAC, CURRENT: 10 A	
Contact Specification:	ACTION: DPST, ARRANGEMENT: 1NO 1NC	
Enclosure Specification:	Rating: IP67 Material: Metal, Body dimensions: See attached drawing	
Mounting	Screw fixing (x4). See attached drawing	
Additional:	Cable entry: M20 x 1.5 cable gland	
Information:	Replacement to be original installed type or equivalent (REFERENCE NO: 3SE5112-0CH01)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

Material Number 0122950		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Limit Switch, Plunger	
Contact Rating	POTENTIAL: 230/500 VAC, CURRENT: 10-6 A	
Contact Specification:	ACTION: DPST, ARRANGEMENT: 1NO 1NC	
Enclosure Specification:	Rating: IP67 Material: Metal, Body dimensions: See attached drawing	
Mounting	Screw fixing (x2). See attached drawing	
Additional:	Cable entry: M20 x 1.5 cable gland	
Information:	Replacement to be original installed type or equivalent (SIEMENS REFERENCE NO: 3SE5122-0CB01)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

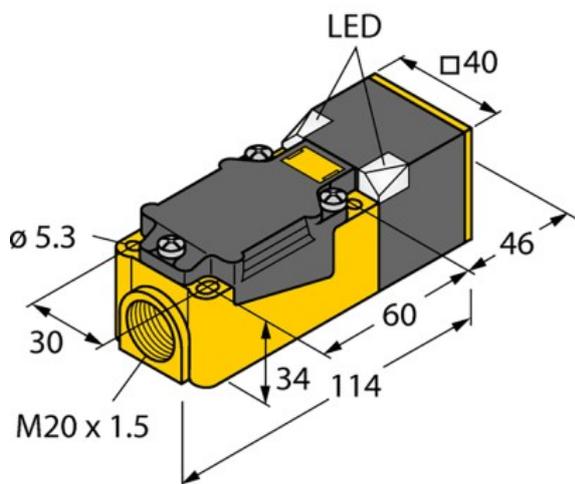
Material Number 0123694		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Limit Switch, Roller Lever	
Contact Rating	POTENTIAL: 300 VAC, CURRENT: 10 A	
Contact Specification:	ACTION: DPDT, ARRANGEMENT: 2NO 2NC	
Enclosure Specification:	Rating: IP67 Material: Metal, Body dimensions: 56 x 78 x 38 mm	
Mounting	Screw fixing (x4). See attached Picture	
Additional:		
Information:	Replacement to be original installed type or equivalent (REFERENCE NO: 3SE3-404-1E)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

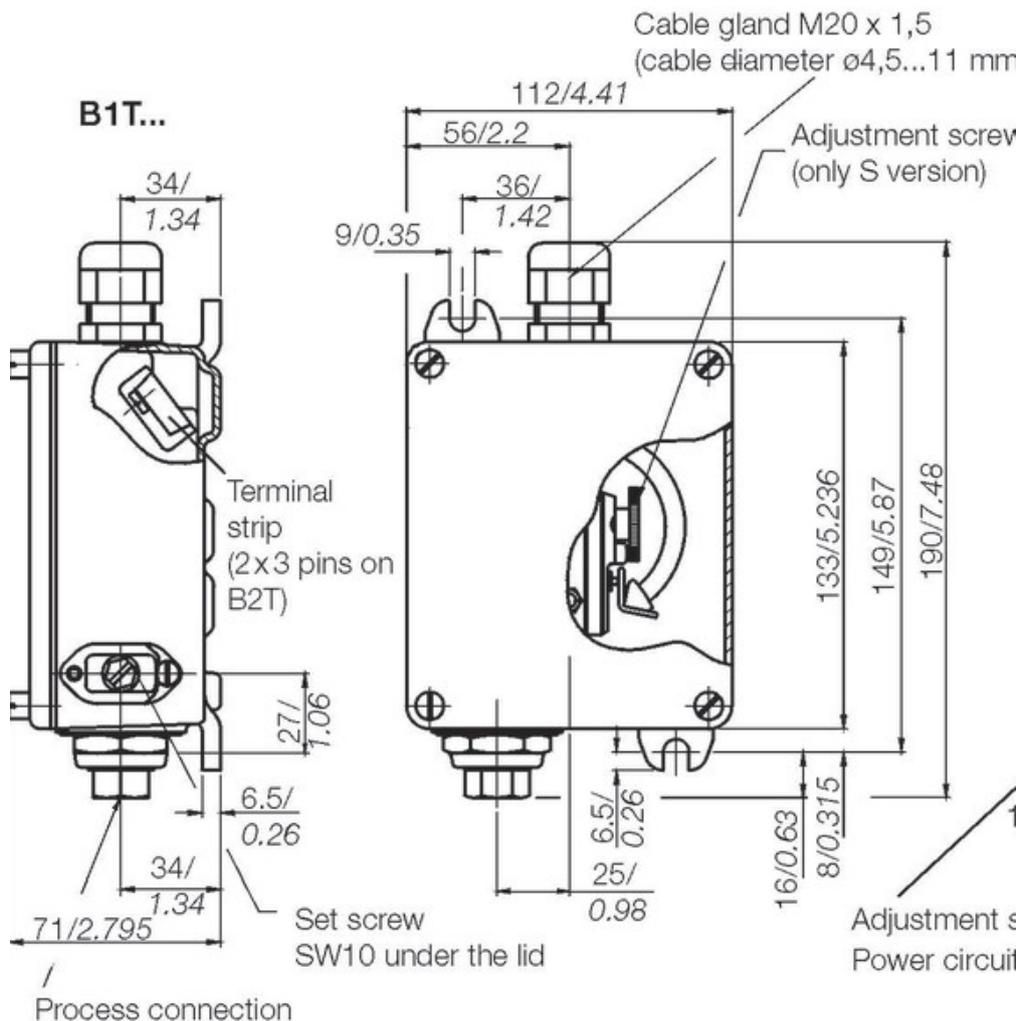
Material Number 147268		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Proximity Switch, Inductive	
Contact Rating	POTENTIAL: 10-65 VDC, CURRENT: 200 mA	
Contact Specification:	ACTION: SPST (PNP), ARRANGEMENT: 1NO	
Enclosure Specification:	Rating: IP67, Dimensions: 114 x 40 x 40 mm	
Mounting	Screw fixing (x4). See attached drawing	
Additional:	<ul style="list-style-type: none"> • CONNECTION: 4 WIRE, • Cable entry: M20 x 1.5 cable gland, • SENSING RANGE: 35 MM 	
Information:	Replacement to be original installed type or equivalent (TURCK PART NO: NI35-CP40-VP4X2)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

Material Number 0120929		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure Switch: Differential	
Measurement Range:	RANGE: 11-225 BAR	
Measured Medium:	Oil (OTC-46Z)	
Contact Rating	POTENTIAL: 250/480 VAC, CURRENT: 10 A (or better)	
Contacts:	ACTION: SPDT	
Process Connection:	CONNECTION: BOTTOM 1/4 IN- FNPT	
Max Pressure:	340 BAR	
Enclosure:	DIMENSIONS: WD 110 X LG 130 X HT 60 MM	
Additional		
Information:	Replacement to be original installed type or equivalent (Barksdale REFERENCE NO: B1T- H32)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule

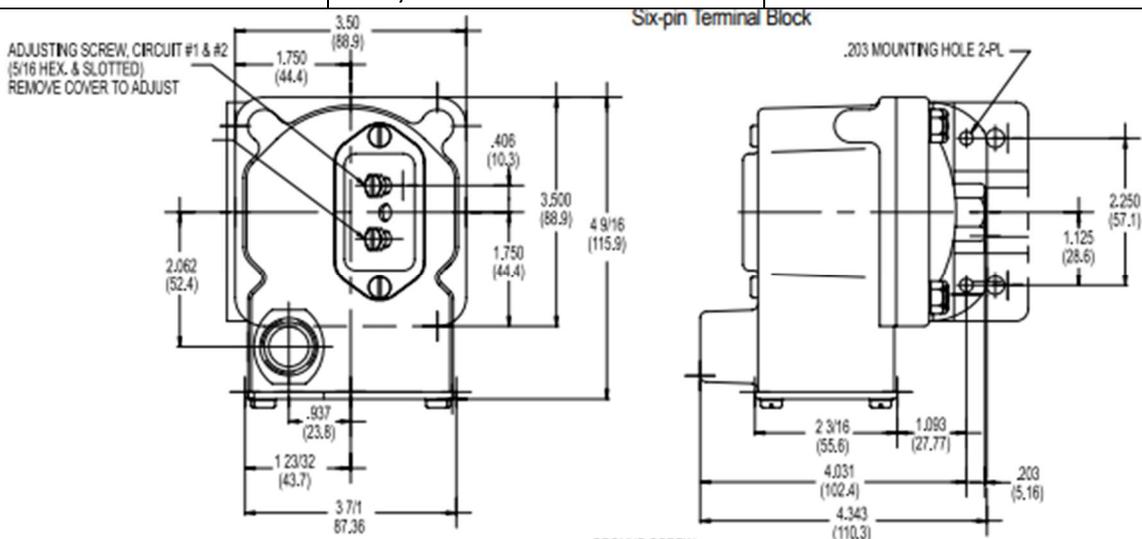
Material Number 0121264		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure Switch: Differential	
Measurement Range:	RANGE: 1.5-500 mBAR	
Measured Medium:	Hydrogen	
Contact Rating	POTENTIAL: 380 V, CURRENT: 16 A (or better)	
Contacts:	ACTION: SPDT	
Process Connection:	CONNECTION: BOTTOM 1/2 IN-FNPT	
Enclosure:	Rated for installation Ex Zone 2	
Additional Information:	Replacement to be original installed type or equivalent (GEORGIN PART NO: DMABV96R54.40)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

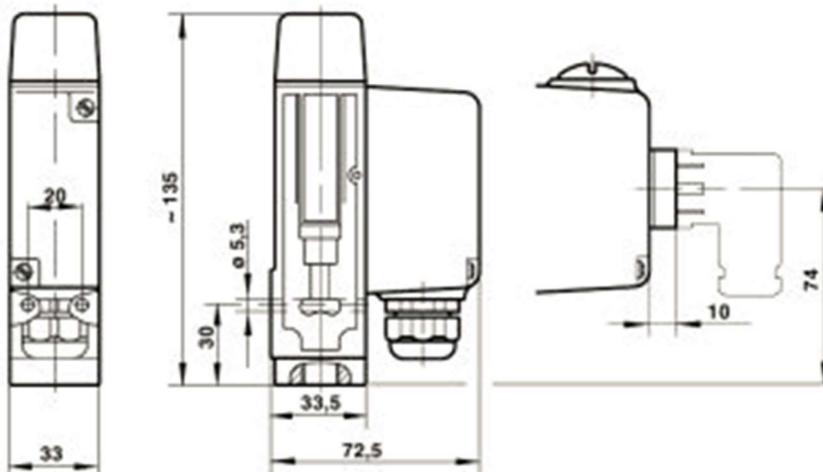
Material Number 0122013		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure Switch: Differential	
Measurement Range:	RANGE: 20-530 kPa	
Measured Medium:	Oil (OTC-46Z)	
Contact Rating	10 Amps @ 125/250 VAC; .5 Amps @ 24 VDC	
Contacts:	SPDT	
Process Connection:	CONNECTION: 1/4 IN-FNPT CONNECTION 1-4INS INTERNAL	
Enclosure:	Anodized Aluminum, NEMA 4	
Additional	VERSION WITH HOUSING AND CLAMPING STRIP FOR RACK OIL	
Information:	Replacement to be original installed type or equivalent (Barksdale REFERENCE NO: D1T-M80)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

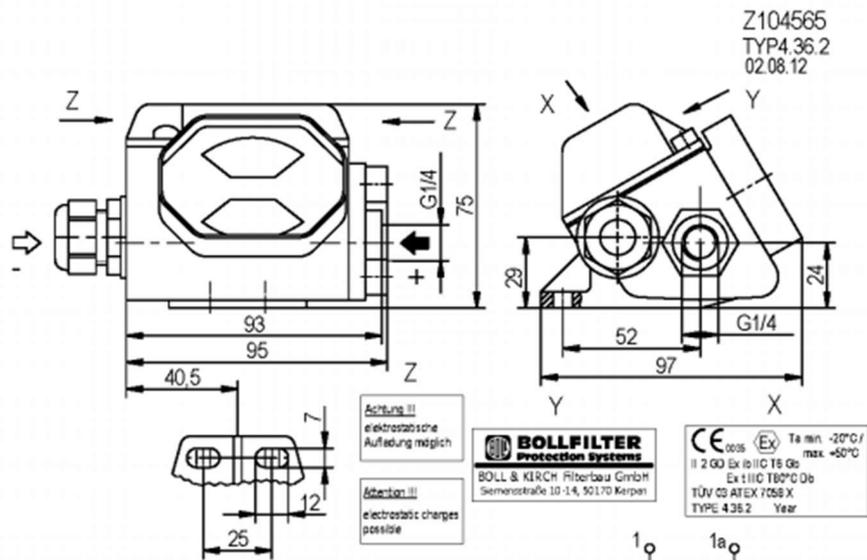
Material Number 0571205		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure Switch: Electromechanical (Piston Actuated)	
Measurement Range:	RANGE: 0.5-30 BAR	
Measured Medium:	Fire-resistant hydraulic fluid (Anvol PE 46 XC)	
Contact Rating	POTENTIAL: 380 V, CURRENT: 6 A (or better)	
Contacts:	ACTION: SPDT	
Process Connection:	CONNECTION: 1/4 IN	
Enclosure:	DIMENSIONS: WD 35 X LG 110 X HT 35 MM	
Additional Information:	Replacement to be original installed type or equivalent (Herion PART NO: P/ST8D, Order number: 08208 55 11 83)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

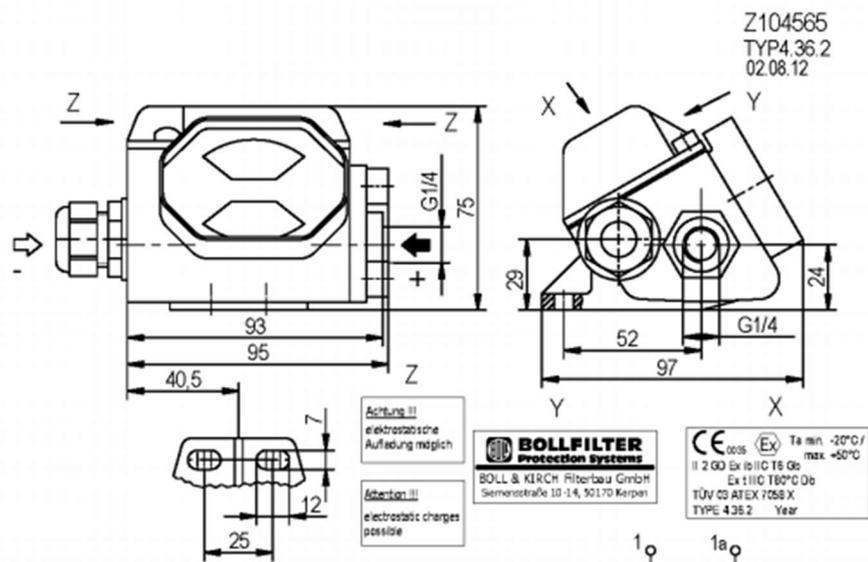
Material Number 0667472		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure Switch: Differential	
Measurement Range:	MEASUREMENT RANGE: 0-100 BAR	
Measured Medium:	Oil (OTC-46Z)	
Contact Rating	VOLTAGE: 250 V, CURRENT: 1 A (or better)	
Contacts:	CONTACT ARRANGEMENT: 1NO 1NC	
Process Connection:	CONNECTION SIZE: R1/4 IN	
Enclosure:	ENCLOSURE RATING: IP54, TEMPERATURE RATING: 150 DEG C	
Additional	CONNECTION LOCATION: RH SIDE, WITH A PRE-SET PRESSURE SET POINT OF 1.2 BAR	
Information:	Replacement to be original installed type or equivalent (Boll&Kirch REFERENCE NO: 4 36 2)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

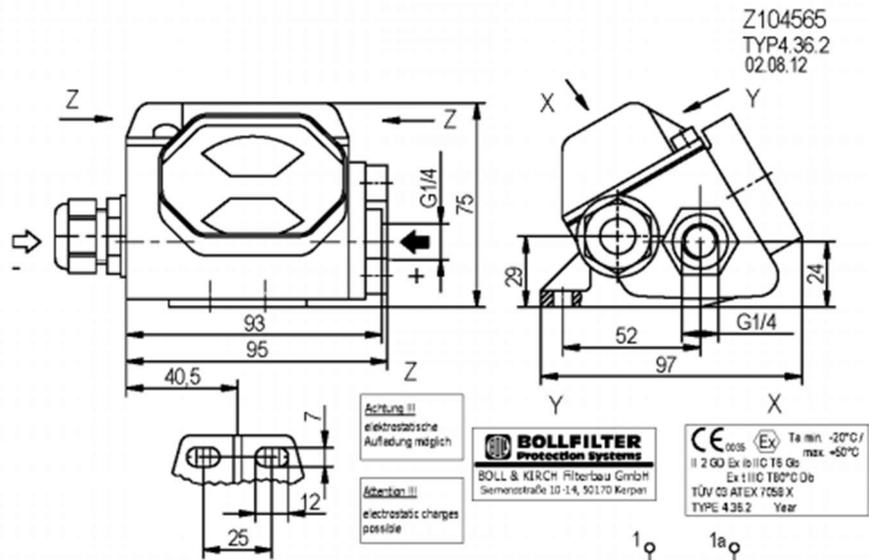
Material Number 0667591		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure Switch: Differential	
Measurement Range:	MEASUREMENT RANGE: 0-100 BAR	
Measured Medium:	Oil (OTC-46Z)	
Contact Rating	VOLTAGE: 250 V, CURRENT: 1 A (or better)	
Contacts:	CONTACT ARRANGEMENT: 1NO 1NC	
Process Connection:	CONNECTION SIZE: R 1/4 IN	
Enclosure:	ENCLOSURE RATING: IP54, TEMPERATURE RATING: 150 DEG C	
Additional	CONNECTION LOCATION: RH SIDE, WITH A PRE-SET PRESSURE SET POINT OF 0.8 BAR	
Information:	Replacement to be original installed type or equivalent (Boll&Kirch REFERENCE NO: 4 36 2)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

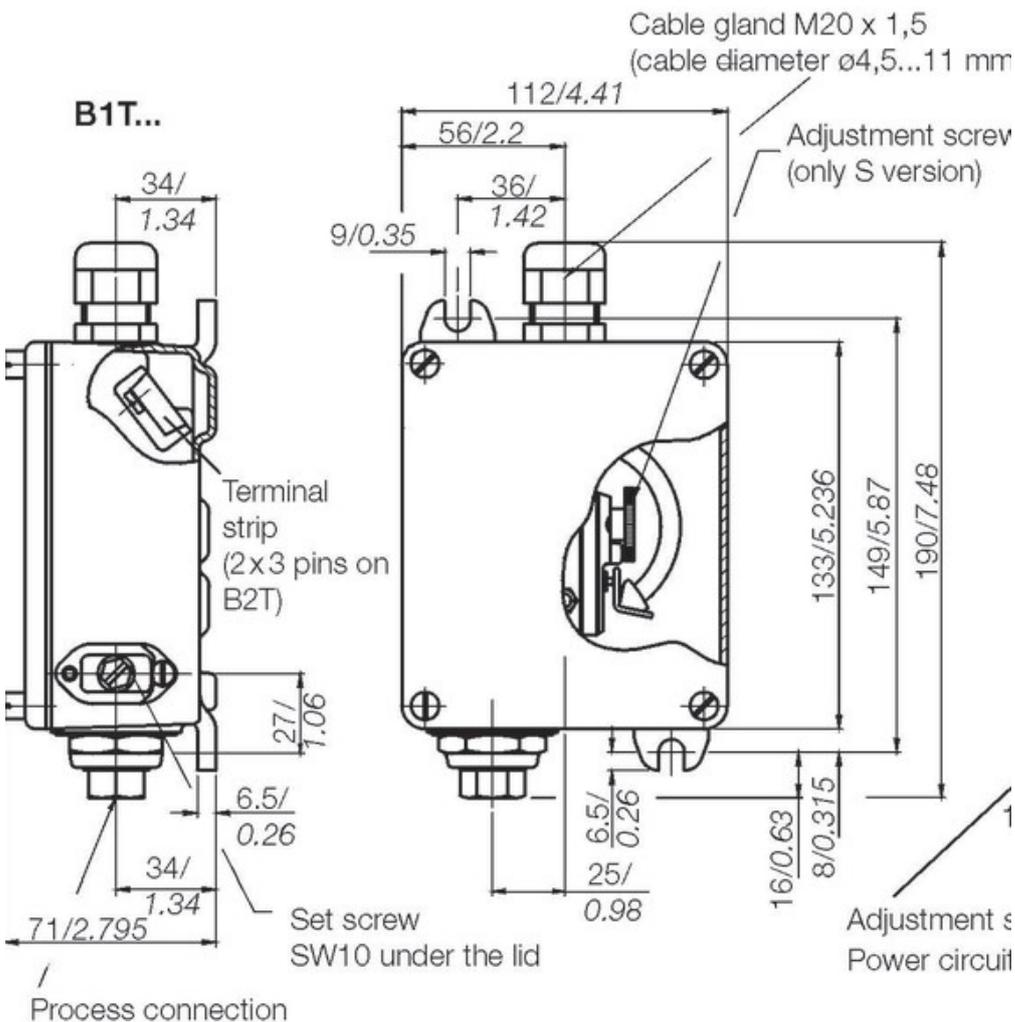
Material Number 0667624		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure Switch: Differential	
Measurement Range:	MEASUREMENT RANGE: 0-100 BAR	
Measured Medium:	Oil (OTC-46Z)	
Contact Rating	VOLTAGE: 220 V, CURRENT: 1 A (or better)	
Contacts:	CONTACT ARRANGEMENT: 1NO 1NC	
Process Connection:	CONNECTION SIZE: R 1/4 IN	
Enclosure:	ENCLOSURE RATING: IP54, TEMPERATURE RATING: 150 DEG C	
Additional	CONNECTION LOCATION: RH SIDE, WITH A PRE-SET PRESSURE SET POINT OF 0.5 BAR	
Information:	Replacement to be original installed type or equivalent (Boll&Kirch REFERENCE NO: 4 36 2)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy

Appendix 1 - AB Schedule

Material Number 0122015		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
Criteria	Requirement (Schedule A)	Schedule B
Type	Pressure Switch: Differential	
Measurement Range:	RANGE: 3.5-85 Bar (MAX pressure: 125 BAR)	
Measured Medium:	Oil (OTC-46Z)	
Contact Rating	10 Amps @ 125/480 VAC; .5 Amps @ 24 VDC	
Contacts:	SPDT	
Process Connection:	CONNECTION: 1/4 IN-FNPT CONNECTION	
Enclosure:	MATERIAL: Anodized Aluminum, RATING: IP67	
Additional	Replacement to be original installed type or equivalent (Barksdale REFERENCE NO: B1TH12)	



Lethabo PS Supply of Switches Tender Technical Evaluation Strategy
Appendix 1 - AB Schedule