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C3.1: *PURCHASER'S* GOODS INFORMATION

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1 Overview and purpose of the goods and services

Supply and Delivery of Breakers and Switches on an “as-and-when” required basis at Kendal Power Station.

Different types of breakers and switches are specified in the document Scope of Work 32-4 Rev 6 document, and they must be delivered as specified.

2 Specification and description of the goods

The Eskom technical specifications and requirements for Breakers and Switches is attached below:

TABLE 1: BREAKERS

| MATERIAL DESCRIPTION | MATERIAL NUMBER | QUANTITY |
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| BREAKER, CIRCUIT: POTENTIAL: 230/400 VAC; CURRENT: 6 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: AS N133791; NON STANDARD IDENTIFICATION AND SPECIFICATION REQUIREMENTS | 0004777 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 30 A; POLE: 1; TYPE: MINIATURE MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA1G3, UNK; PHYSICAL SIZE | 0004779 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 20 A; POLE: 1; TYPE: MINIATURE HYDRAULIC MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA1G3, UNK; BREAKER, CIRCUIT; TYPE MINITURE HYDRAULIC MAGNETIC, POTENTIAL 240 V, POLE 1, CURRENT 20 A, INTERRUPT CAPACITY 2.5 KA, REFERENCE NO: SA1G3~BREAKER,CIRCT;SA1G3,20 A,240 V,1 | 0004780 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 40 A; POLE: 1; TYPE: MINIATURE MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA1G3, UNK; PHYSICAL SIZE | 0004781 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220/380 VAC; CURRENT: 10 A; POLE: 2; WIDTH: 59 MM; LENGTH: 80 MM; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 6 KA; REFERENCE NO: 5SQ22, UNK; 4 CONTACTS, 34.5MM THK | 0004795 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 10 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: Q5SP; USED ON BBT SF6, TYPE ELK4 765KV GIS | 0004873 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 10 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 3 KA; SUPPL P/N: SAG3 | 0004874 | 50 |
| COUPLING: TYPE: DRIVE; SIZE: ID 6 X OD 6 MM; MATERIAL: AL; SUPPL P/N: 8UC6011; FOR SIEMENS DOOR; ROTARY OPERATING MECHANISM | 0108698 | 50 |
| COUPLING: TYPE: DRIVE; SIZE: ID 8 X OD 8 MM; MATERIAL: AL; SUPPL P/N: 8UC6012; FOR SIEMENS DOOR, ROTARY OPERATING MECHANISM | 0108699 | 50 |
| COUPLING: TYPE: DRIVE; MATERIAL: AL; SUPPL P/N: 8UC6013; FOR SIEMENS DOOR ROTARY OPERATING MECHANISM; SIZE 10 MM ID X 10 MM OD | 0108700 | 50 |

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| COUPLING: TYPE: DRIVE; SIZE: ID 12 X OD 12 MM; MATERIAL: AL; SUPPL P/N: 8UC6014; FOR SIEMENS DOOR, ROTARY OPERATING MECHANISM | 0108701 | 50 |
| SWITCH, DISCONNECT: TYPE: LOADBREAK; POTENTIAL: 660 VAC; CURRENT: 630 A; ACTION: (3) DPST; OPERATED: GANG; MOUNT: HORIZONTAL; SUPPL P/N: 3KL6130-1AB00; ISOLATOR | 0117869 | 50 |
| SWITCH, DISCONNECT: TYPE: LOADBREAK; POTENTIAL: 600 VAC; CURRENT: 125 A; ACTION: DPST; OPERATED: GANG; MOUNT: HORIZONTAL; SUPPL P/N: 3KM5230-1AB00; ISOLATOR PLUG IN FUSE, 3PH | 0117870 | 50 |
| SWITCH, DISCONNECT: TYPE: FUSED ISOLATOR; POTENTIAL: 690 V; CURRENT: 250 A; ACTION: 3PST; OPERATED: GANG; MOUNT: HORIZONTAL; REFERENCE NO: 5SNO7125, UNK; SUPPL P/N: 3KM5530-1AB00; PLUG IN FUSE; 3PH LOADBREAK | 0117871 | 50 |
| SWITCH, DISCONNECT: TYPE: LOADBREAK; POTENTIAL: 690 V; CURRENT: 400 A; ACTION: DPST; OPERATED: GANG; MOUNT: HORIZONTAL; SUPPL P/N: 3KM5730-1AB001; PLUG IN FUSE, 3PH | 0117872 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 70 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA | 0119437 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 60 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: SF3G3C1, UNK | 0119438 | 50 |
| SWITCH, DISCONNECT: TYPE: FUSED ISOLATOR; CURRENT: 60 A; ACTION: 3PST; MOUNT: PANEL; REFERENCE NO: A72/465AZ, UNK; CONTACT ARRANGEMENT 3NO | 0119439 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 10 A; POLE: 2; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: S202M-C10; ABB ONLY | 0119440 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 25 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA | 0119452 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 80 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; MODEL NO: SF18280, UNK; REFERENCE NO: 97-82210, UNK; WHITE HANDLE | 0119475 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 VAC; CURRENT: 4 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: 5SN1304/ 4G41188 | 0119515 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220/380 VAC; CURRENT: 10 A; POLE: 1; TYPE: THERMAL MAGNETIC; REFERENCE NO: 16G101291, UNK; SUPPL P/N: 5SX2110-7/ 16G101291 | 0119516 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 230/400 VAC; CURRENT: 16 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 3 KA; SUPPL P/N: 5SN1316 / 15G163984 | 0119517 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 400 V; CURRENT: 6 A; POLE: 2; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 15 KA; SUPPL P/N: 5SN2306 | 0119518 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 480 VAC; CURRENT: 10 A; POLE: 3; TYPE: THERMAL MAGNETIC; REFERENCE NO: 08G105187, UNK; 5SN3310, UNK | 0119519 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 230/400 VAC; CURRENT: 1 A; POLE: 1; TYPE: THERMAL MAGNETIC; REFERENCE NO: 5SN1301, UNK; 5SN1701, UNK | 0119520 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 VAC; CURRENT: 0.4-0.63 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT | 0119524 | 50 |

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| CAPACITY: 100 KV; SUPPL P/N: 3VE1010-2E | | |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 15 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: C45M11LTi9, UNK | 0119545 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 VAC; CURRENT: 2 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: S16CURVEG; FOR COAL PLANT SPARES | 0119557 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 5 A; POLE: 1; TYPE: MINIATURE HYDRAULIC MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: SA1G3 | 0119562 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 15 A; POLE: 1; TYPE: MINIATURE HYDRAULIC MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA1G3-15A, UNK | 0119563 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 25 A; POLE: 1; TYPE: MINIATURE HYDRAULIC MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA1G3-25A, UNK | 0119564 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 35 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: SA1G3-35A | 0119565 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 45 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: SA1G3-45A | 0119566 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 50 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA1G3-50A, UNK | 0119567 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 35 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF1G3-35A | 0119568 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 45 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF1G3-45A | 0119569 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 10 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA | 0119570 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 35 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF3G3-35A | 0119571 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 45 A; POLE: 3; TYPE: MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: SF3G3-45A, UNK; SUPPL P/N: QF3(19) | 0119572 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 50 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA | 0119573 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 440 VAC; CURRENT: 75 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 20 KA; TYPE LY603 | 0119574 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 440 VAC; CURRENT: 100 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 20 KA; SUPPL P/N: LY603 | 0119575 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 440 VAC; CURRENT: 125 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 20 KA; SUPPL P/N: LY603 | 0119576 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 25 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; TYPE Q5SP | 0119577 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 35 A; | 0119578 | 50 |

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| POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; TYPE Q5SP | | |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 40 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: Q5SP40A, UNK | 0119579 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 10 A; POLE: 2; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: 12AD010EE, UNK; OA FM, 07018-2086 | 0119584 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 460 VAC; CURRENT: 25 A; POLE: 3; TYPE: THERMAL MAGNETIC; REFERENCE NO: CF3Y69, UNK; MAIN | 0119585 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 10 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; CATALOGUE NO: 21291; TYPE IPC45 MCB | 0119586 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 20 A; POLE: 1; TYPE: THERMAL MAGNETIC CURVE U; INTERRUPT CAPACITY: 5 KA; CATALOGUE NO: C45120; SUPPL P/N: C45; MULTI 9 | 0119587 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 63 A; POLE: 3; TYPE: THERMAL MAGNETIC; CATALOGUE NO: 25006; REFERENCE NO: 3P C63H, UNK; C63H, UNK; MULTI 9 | 0119588 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 32 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; CATALOGUE NO: 21309; SUPPL P/N: C45 AD; MULTI 9 | 0119589 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 2.5 A; POLE: 1; REFERENCE NO: G16A, UNK; 16AMP, 50HZ, ON MAIN AIR HEATER I R SCAN DRIVE, 5SQ11AIR HEATER AUXILLARY SYSTEM | 0119594 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 250 VAC; 65 VDC; CURRENT: 10 A; POLE: 1; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: GWE323907, UNK | 0119606 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 250 VAC; 65 VDC; CURRENT: 1.5 A; POLE: 1; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: GWE287789, UNK | 0119607 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 VAC; CURRENT: 3 A; POLE: 2; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: 5SX5203-7/5SX9100; WITH AUXILIARY CONTACT | 0119608 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 VAC; CURRENT: 4 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: 5SN71040KB30 | 0119609 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 230/400 V; CURRENT: 2 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 6 KA; SUPPL P/N: 5SX 2102-7/5SX 9100; 1NO AND 1NC | 0119615 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240/415 VAC; CURRENT: 10 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 6 KA; REFERENCE NO: SX21107, UNK; SINGLE LEVER, 1 N/O 1 N/C | 0119616 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 VAC; 250 VDC; CURRENT: 50 A; POLE: 2; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: TEB1220-50WL | 0119617 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 120-240 V; CURRENT: 5 A; POLE: 1; TYPE: THERMAL MAGNETIC; SUPPL P/N: 209-1-1-61F-4-7 -5 | 0119618 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 10 A; POLE: 2; TYPE: THERMAL MAGNETIC; REFERENCE NO: TEB1220-10WL, UNK | 0119619 | 50 |

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| BREAKER, CIRCUIT: POTENTIAL: 120/220 VAC; CURRENT: 5 A; POLE: 1; TYPE: THERMAL MAGNETIC; SUPPL P/N: 209-1-1-61F3-7- 5 | 0119620 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 125 VDC; CURRENT: 5 A; POLE: 1; TYPE: THERMAL MAGNETIC; SUPPL P/N: 219-1-1-51F-1-7-5 | 0119621 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 10 A; POLE: 1; TYPE: THERMAL MAGNETIC; SUPPL P/N: 209-1-1-61F4-7; 50/60HZ, FOR FUEL SUPPLY SYSTEM | 0119622 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 65 V; CURRENT: 5 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 6.25 A; SUPPL P/N: 219-1-1-51F-1-7-5 | 0119623 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 VAC; 440 VDC; CURRENT: 1 A; POLE: 2; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: 5SN92010KB30, UNK; N TYPE, UC, 1N/O 1N/C, G CHARACTER, ITEM 50123 | 0119642 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 VAC; 440 VDC; CURRENT: 6 A; POLE: 2; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: 5SN92060KB30, UNK; N TYPE UC, 1N/O AND 1N/C, G CHARACTER, ITEM 50125 | 0119643 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 VAC; 220 VDC; CURRENT: 1 A; POLE: 1; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: 5SN91010KB30, UNK; N TYPE UC, 1N/O 1N/C, G CHARACTER, ITEM 015 501122 | 0119647 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 VAC; 440 VDC; CURRENT: 2 A; POLE: 2; TYPE: MINIATURE THERMAL MAGNETIC; SUPPL P/N: 5SX5 202-7; N TYPE UC MINI, G CHARACTER, CONFIRMED JOHN BOY 17/03/1997 | 0119648 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 VAC; 440 VDC; CURRENT: 16 A; POLE: 2; TYPE: MINIATURE THERMAL MAGNETIC; DRAWING NO: N-TYPE VC REV 1; REFERENCE NO: 5SN9216-0KB30, UNK; G CHARACTER, 1 N/O 1N/C, ITEM 50126 | 0119649 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220-240 VAC; 220 VDC; POLE: 1; REFERENCE NO: 005, UNK; OPJ51021, UNK; 3WX2313, 40-60HZ, MOTOR OPERATING MECHANISM, GENERATOR VOLTAGE REGULATOR | 0119650 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 16 A; POLE: 2; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: S212DCK16; 220V DC BOARD | 0119656 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 10 A; POLE: 2; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: S282UC-K10; FOR 220 VOLT STATION DC BOARD | 0119657 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 32 A; POLE: 1; TYPE: MINIATURE THERMAL MAGNETIC; FOR UNIT 1 DC BOARD, BBC | 0119658 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 10 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: 7K10; 9168E | 0119659 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 1 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: S162K1; ON UNIT 1 DC BOARD BBC | 0119660 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 6 A; POLE: 2; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: S212DCK6, UNK; S212UC, UNK; FOR 220 VOLT STATION DC BOARD | 0119664 | 50 |

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| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 6 A; POLE: 2; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: S212UC00511, UNK | 0119665 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 15 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: Q518215Q5 | 0119667 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 VAC; CURRENT: 20 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; FUCHS, Q518220 | 0119668 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 440 VAC; CURRENT: 10 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: E538210 EQ5 | 0119669 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 440 VAC; CURRENT: 30 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; FUCHS, E538230 EQ5 | 0119670 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 440 VAC; CURRENT: 40 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; FUCHS, E538240 EQ5 | 0119671 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 525 VAC; CURRENT: 150 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 15 KA; SUPPL P/N: F15D1 | 0119675 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 16 A; POLE: 2; TYPE: THERMAL MAGNETIC; SUPPL P/N: 5SX4216-7RC | 0119680 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 VAC; CURRENT: 20 A; POLE: 3; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: 5SL3320, UNK; 2 POLE | 0119681 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 10 A; POLE: 2; TYPE: MINIATURE THERMAL MAGNETIC; REFERENCE NO: 5SL8210-0KA30, UNK; WITH 1 N/O AUXILIARY CONTACT | 0119682 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 32 A; POLE: 3; TYPE: THERMAL MAGNETIC CURVE K; STOTZ, WITH ONE N/C AND ONE N/O AUXILIARY CONTACTS | 0119684 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 2 A; POLE: 1; TYPE: THERMAL MAGNETIC; REFERENCE NO: GHS2127271V164, UNK; S210-HS, 5A, 1A, K2A | 0119685 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 1.6 A; POLE: 1; TYPE: THERMAL MAGNETIC; REFERENCE NO: GHS2117251VO, UNK; K1.6A, 1S+10 | 0119686 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 630 A; POLE: 3; TYPE: MOTORIZED; INTERRUPT CAPACITY: 30 KA; SUPPL P/N: NF630-CS; FOR ASH SPREADER MAIN INCOMMER, FITTED WITH 220V UNDER VOLTAGE TRIP COIL AND 1 N/O AND 1 N/C AUX CONTACTS, CONTROL VOLTAGE 110V AC | 0119692 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 32 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: C45332, UNK | 0119700 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 63 A; POLE: 3; TYPE: THERMAL MAGNETIC; REFERENCE NO: 20576, UNK; MERLIN GERIN | 0119701 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 100 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 10 KA; REFERENCE NO: 20578, UNK | 0119703 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 10 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: SF1G3, UNK | 0119823 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 VAC; CURRENT: 30 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT | 0119825 | 50 |

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| CAPACITY: 5 KA; SUPPL P/N: SF1G3 | | |
| BREAKER, CIRCUIT: POTENTIAL: 380-240 V; CURRENT: 40 A; POLE: 1; TYPE: MINIATURE THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF1G3; ORANGE HANDLE | 0119826 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 5 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: SF1G3, UNK | 0119859 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 50 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF1G3 | 0119860 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 60 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; REFERENCE NO: SF1G3, UNK; SUPPL P/N: 97-82209 | 0119861 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 100 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF3G3; COMPLETE WITH SHROUD CLIP TRAY AND SCREWS | 0119862 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 80 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF3G3; COMPLETE WITH THERMO PLASTIC SHROUD SCREWS AND CLIP TRAY | 0119863 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 20 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF1G3 | 0120110 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 VAC; CURRENT: 30 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA | 0120111 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 VAC; CURRENT: 15 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA | 0120112 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 VAC; CURRENT: 40 A; POLE: 3; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: SF3G340A; ORANGE HANDLE | 0120113 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 70 A; POLE: 1; TYPE: HYDRAULIC/MAGNETIC; INTERRUPT CAPACITY: 5 KA | 0120114 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 15 A; POLE: 1; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 5 KA | 0120130 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 415 V; CURRENT: 100 A; POLE: 3; TYPE: THERMAL MAGNETIC; CATALOGUE NO: 15092; REFERENCE NO: 3PI, UNK; SWITCH, ISOLATING, MULTI 9 | 0121086 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 32 A; POLE: 2; TYPE: THERMAL MAGNETIC; REFERENCE NO: 3PI, UNK; CATN015011, UNK; ISOLATING, MULTI 9 | 0121087 | 50 |
| SWITCH, DISCONNECT: TYPE: FUSED ISOLATOR; SUPPL P/N: 3KL5230-1AB0Q; ON CURRENT TRANSFORMER FAN A/B GENERAL CONNECTIONS | 0121142 | 50 |
| SWITCH, DISCONNECT: TYPE: FUSED; POTENTIAL: 600 VAC; CURRENT: 220 A; ACTION: DSPT; MOUNT: PANEL; SUPPL P/N: AFQC200DP; CONTACT ARRANGEMENT 2NO | 0121337 | 50 |
| SWITCH, DISCONNECT: TYPE: FUSED; POTENTIAL: 250/500 VAC; CURRENT: 63 A; REFERENCE NO: 5SG7-130-3A, UNK; AFQC 63 TP / 5SG7-130-3A, UNK; SAFETY, QUAD BREAK; 3 POLE; 3PH | 0121339 | 50 |
| SWITCH, DISCONNECT: TYPE: ISOLATOR; POTENTIAL: 4/5- | 0121340 | 50 |

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| 1 KV; CURRENT: 500 A; ACTION: 3PST; OPERATED: LEVER; MOUNT: PANEL; SUPPL P/N: OETL400D1 | | |
| BREAKER, CIRCUIT: POTENTIAL: 250 V; CURRENT: 63 A; POLE: 2; TYPE: THERMAL MAGNETIC; REFERENCE NO: 4489AF, UNK | 0124039 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220/380 VAC; CURRENT: 6 A; POLE: 3; TYPE: THERMAL MAGNETIC; INTERRUPT CAPACITY: 6 KA; SUPPL P/N: S213K6A; STOTZ, CURVE WITH ONE N/C AND ONE N/O, AUXILIARY CONTACT | 0125989 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220/380 VAC; CURRENT: 1.6 A; POLE: 3; TYPE: THERMAL MAGNETIC; REFERENCE NO: GHS2137251VO, UNK; SUPPL P/N: S210HS; S213K; STOTZ CONTACT | 0125991 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 32 A; POLE: 3; TYPE: THERMAL MAGNETIC CURVE K; INTERRUPT CAPACITY: 25 KA; REFERENCE NO: S203-K32, UNK; S2C-5/H6R, UNK; S2C-H6R, UNK; STOTZ, WITH 1 N/C + 1 N/O AUXILIARY CONTACTS | 0125992 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 380 V; CURRENT: 1 KA; POLE: 3; TYPE: ASH TRIPPER CAR MAIN INCOMER; INTERRUPT CAPACITY: 50 KA; SUPPL P/N: CNP1000; CUTLER HAMMER | 0126281 | 5 |
| SWITCH, DISCONNECT: TYPE: FUSED; CURRENT: 63 A; SUPPL P/N: 3KM5030 - 1AB01; ON-LOAD; CSF DIN FUSE | 0142142 | 600 |
| SWITCH, DISCONNECT: TYPE: FUSED ISOLATOR; CURRENT: 125 A; SUPPL P/N: 3KM5230-1AJ01; SIEMENS ONLY; FUSED ON-LOAD | 0142143 | 200 |
| SWITCH, DISCONNECT: TYPE: FUSED ISOLATOR; SUPPL P/N: 3KL5230-1AG00 | 0142144 | 50 |
| ISOLATOR: TYPE: FUSED; SUPPL P/N: 3KM5530-1AG00; ON-LOAD 250A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 0142145 | 50 |
| SWITCH, DISCONNECT: TYPE: FUSED; POTENTIAL: 660 V; CURRENT: 160 A; OPERATED: LEVER; MOUNT: PANEL; SUPPL P/N: 3NP4030-0CA00; ACTION 3 POLE | 0142234 | 50 |
| SWITCH, DISCONNECT: POTENTIAL: 380 V; CURRENT: 10 A; SUPPL P/N: C26A202; FOR LUBE OIL PURIFIER ON BOILER FEED PUMP | 0142247 | 50 |
| SWITCH, DISCONNECT: POTENTIAL: 380 VAC; CURRENT: 25 A; SUPPL P/N: KG41B; 3 PHASE | 0142248 | 50 |
| ISOLATOR: TYPE: FUSED; APPLICATION: ON-LOAD DISCONNECTOR; POTENTIAL: 660 VAC; SUPPL P/N: 3KM30-1AB00; 380V BOARDS; 250 AMPVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 0142250 | 150 |
| SWITCH, DISCONNECT: TYPE: FUSED ISOLATOR; CURRENT: 250 A; SUPPL P/N: SMP250; 3 POLE; FOR UNIT 1 DC BOARD | 0142338 | 50 |
| SWITCH, DISCONNECT: TYPE: FUSED ISOLATOR; CURRENT: 100 A; SUPPL P/N: AFQC100DP; 2 POLE | 0142339 | 50 |
| SWITCH, DISCONNECT: TYPE: TWIN BLADE ISOLATOR; CURRENT: 1.25 KA; SUPPL P/N: 926-527; ASSEMBLY FOR IN-LINE V.C.B | 0142560 | 50 |
| SWITCH, DISCONNECT: TYPE: SIGNAL; SUPPL P/N: 55000-700; FIRE DETECTION | 0172688 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 240 V; CURRENT: 60 A; POLE: 1; TYPE: MINIATURE; INTERRUPT CAPACITY: 2.5 KA; SUPPL P/N: SC1G3; HEINEMANN | 0173637 | 50 |

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| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 50 A; TYPE: MINI; INTERRUPT CAPACITY: 2.5 KA; MANUF P/N: SAG3; REFERENCE NO: SA1G3 | 0173650 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 220 V; CURRENT: 20 A; POLE: 2; TYPE: MINIATURE; INTERRUPT CAPACITY: 2.5 KA; REFERENCE NO: SA2GOG3, UNK; WITH 1 WHITE AND 1 GREEN | 0173652 | 50 |
| SWITCH, DISCONNECT: TYPE: ISOLATOR; POTENTIAL: 500 VAC; CURRENT: 60 A; REFERENCE NO: AC22, UNK; BOTTOM/TOP ENTRY; SILVER CONTACTS, 3 PHASE | 0173698 | 70 |
| BREAKER, CIRCUIT: POTENTIAL: 6.6 KV; CURRENT: 1.25 KA; POLE: 3; TYPE: VACUUM; INTERRUPT CAPACITY: 25 KA; SUPPL P/N: WL34473 | 0178603 | 20 |
| BREAKER, CIRCUIT: POTENTIAL: 12 KV; CURRENT: 2.5 KA; POLE: 3; TYPE: VACUUM; INTERRUPT CAPACITY: 31.5 KA | 0178605 | 20 |
| BREAKER, CIRCUIT: POTENTIAL: 12 KV; CURRENT: 2.5 KA; POLE: 3; TYPE: VACUUM; INTERRUPT CAPACITY: 31.5 KA | 0178606 | 20 |
| BREAKER, CIRCUIT: POTENTIAL: 7.2 KV; CURRENT: 630 A; POLE: 3; TYPE: AIR; INTERRUPT CAPACITY: 25 KA; SUPPL P/N: 3AF1041-4JR886EA2 | 0179142 | 4 |
| BREAKER, CIRCUIT: POTENTIAL: 415 VAC; 440 VDC; CURRENT: 10 A; POLE: 3; TYPE: MINIATURE; INTERRUPT CAPACITY: 5 KA; SUPPL P/N: S212-UC; ABB | 0187445 | 30 |
| BREAKER, CIRCUIT: POTENTIAL: 380-440 VAC; CURRENT: 1.25 KA; POLE: 3; TYPE: AIR MAGNETIC; INTERRUPT CAPACITY: 65 KA; SUPPL P/N: SP4236; D/O ACB 3P C/W 520 LSI TRIP, 800 TO 2000 AMP D/O CASSETTE, C/W SHUTTERS, 220/240 VAC 5 SEC CHARGING MOTOR OPRATOR, 208/250V AC/DC SHUNT TRIP COIL 2A/2B AUXILLIARY SWITCH, MAGNUM RACKING HANDLE, MRH001 | 0219095 | 30 |
| SWITCH, DISCONNECT: TYPE: FUSED ISOLATOR; CURRENT: 160 A; SUPPL P/N: 3KM5330-1AJ01; SIEMENS ONLY; ON-LOAD | 0224241 | 300 |
| SWITCH, DISCONNECT: TYPE: FUSED ISOLATOR; POTENTIAL: 690 VAC; CURRENT: 400 A; ACTION: 3 PHASE; SUPPL P/N: 3KF4340-0MF11; ON-LOAD | 0224242 | 800 |
| BREAKER, CIRCUIT: POTENTIAL: 220 VAC; CURRENT: 6 A; POLE: 1; INTERRUPT CAPACITY: 6 KA; SUPPL P/N: MN106 | 0250374 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 690 V; CURRENT: 50 A; POLE: 3; CLASSIFICATION: CL10; FRAME: S2; WIDTH: 55 MM; LENGTH: 144 MM; HEIGHT: 140 MM; TYPE: CURRENT LIMITING; MOUNT: SCREW TERMINAL; INTERRUPT CAPACITY: 50 KA; SUPPL P/N: 3RV1031-4HA10 | 0252920 | 50 |
| SWITCH, DISCONNECT: TYPE: FUSED; POTENTIAL: 690 VAC; CURRENT: 630 A; ACTION: 3P; MANUF P/N: 3KL6130-1GB0 | 0501126 | 40 |
| BREAKER, CIRCUIT: POTENTIAL: 1000 V; CURRENT: 20 A; POLE: 2; TEMPERATURE RATING: 35 DEG C; COLOR: WHITE; TYPE: PLC POWER SUPPLY; MOUNT: DIN RAIL; INTERRUPT CAPACITY: 20 A | 0580323 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 400 VAC; CURRENT: 1 A; POLE: 3; CLASSIFICATION: IP20; SPECIFICATION: IEC898/EN60898/DIN43880; FRAME: S1; TEMPERATURE RATING: -25 TO 55 DEG C; WIDTH: 70 MM; LENGTH: 68 MM; HEIGHT: 90 MM; COLOR: WHITE; TYPE: SWITCH; MOUNT: RAIL; INTERRUPT CAPACITY: 25 KA; MANUF P/N: GHS2830001R0217; MOUNT STANDARD PROFILE RAILS EN20022 | 0589943 | 50 |
| BREAKER, CIRCUIT: POTENTIAL: 400 VAC; CURRENT: 3 A; POLE: 2; CLASSIFICATION: IP20; SPECIFICATION: | 0589944 | 30 |

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| IEC898/EN60898/DIN43880; FRAME: S1; TEMPERATURE RATING: -25 TO 55 DEG C; WIDTH: 35 MM; LENGTH: 68 MM; HEIGHT: 90 MM; COLOR: WHITE; TYPE: SWITCH; MOUNT: RAIL; INTERRUPT CAPACITY: 25 KA; MANUF P/N: GHS2820001R0317; MOUNT IS STANDARD PROFILE RAILS EN50022; AUXILIARY CONTACT GHS2701916R0001 | | |
| BREAKER, CIRCUIT: POTENTIAL: 500 VAC; CURRENT: 125-250 A; POLE: 3; SPECIFICATION: IEC EN60947; FRAME: NZM3; TEMPERATURE RATING: -40 TO 80 DEG C; WIDTH: 140 MM; LENGTH: 166 MM; HEIGHT: 297 MM; COLOR: WHITE; TYPE: SWITCH; INTERRUPT CAPACITY: 500-2750 A; MANUF P/N: 3BHB019577R0250 | 0590709 | 40 |
| BREAKER, CIRCUIT: POTENTIAL: 400 VAC; CURRENT: 25 A; POLE: 3; CLASSIFICATION: DIN43880; SPECIFICATION: IEC898/EN60898; FRAME: S1; TEMPERATURE RATING: -25 TO 55 DEG C; WIDTH: 70 MM; LENGTH: 68 MM; HEIGHT: 90 MM; COLOR: WHITE; TYPE: SWITCH; MOUNT: RAIL; INTERRUPT CAPACITY: 25 KA; MANUF P/N: GHS2830001R0517; STD PROFILE RAILS EN 50 022; 35X7.5 | 0590714 | 40 |
| BREAKER, CIRCUIT: POTENTIAL: 230 V; CURRENT: 10-16 A; POLE: 2; SPECIFICATION: EN61009; TEMPERATURE RATING: -25 TO 40 DEG C; WIDTH: 36 MM; COLOR: WHITE; TYPE: SWITCH; INTERRUPT CAPACITY: 250 A; MANUF P/N: 2CCL462110E0104 | 0590720 | 40 |
| BREAKER, CIRCUIT: POTENTIAL: 690 VAC; CURRENT: 50 A; POLE: 3; TEMPERATURE RATING: -20 TO 70 DEG C; WIDTH: 55 MM; LENGTH: 149 MM; HEIGHT: 140 MM; COLOR: WHITE; TYPE: N-RELEASE; MOUNT: SCREW OR RAIL; INTERRUPT CAPACITY: 50 KA/650 A; MANUF P/N: 3RV1331-4HC10 | 0612793 | 30 |
| BREAKER, CIRCUIT: SWITCHGEAR DESIGN: METAL-CLAD; POTENTIAL: 22 KV; CURRENT: 1250 A; SHORT TIME CURRENT: 25 KA; POLE: 3; CONTROL VOLTAGE: 220 VDC; CREEPAGE: 300 MM; BASIC INSULATION LEVEL: 170 PEAK KV; INSULATION MATERIAL: GAS INSULATED; OPERATING CONTROL TYPE: MOTORIZED SPRING CHARGE; POLLUTION CLASS: 2; APPLICATION: FEEDER/INCOMER; CLASSIFICATION: ZONE 22; SPECIFICATION: IEC 62271-100; TEMPERATURE RATING: -25 TO 40 DEG; COLOR: RAL9003 SIGNAL WHITE; TYPE: SF6; MOUNT: PANEL; PHASE SPACING: 300 MM; INTERRUPT CAPACITY: 31.5 KA; SUPPL P/N: GCR-F4C12S2AIN; ECOFIT-TM.FC4-315 | 0674806 | 8 |

TABLE 2: SWITCHES

| MATERIAL NUMBER | MATERIAL DESCRIPTION | QUANTITY |
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| 0121017 | SWITCH, PROXIMITY: SENSING RANGE: 40 MM; POTENTIAL: 6-30 V; CURRENT: 500 MA; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; ON COAL PLANT; PART NO: 3SG3267-1BJ33, | 50 |
| 0121023 | SWITCH, PROXIMITY: POTENTIAL: 10-30 VDC; ACTION: DPST; CONTACT ARRANGEMENT: 1NO 1NC; CAPTIVE CLAMP MOUNT; USED ON THE METROFLEX DAMPERS; OPEN AND CLOSE AND HANDWHEEL LIMITS; PART NO: NBB20-L2-A2-V1 | 50 |

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| 0121147 | SWITCH, SELECTOR: OPERATED: KNOB; POSITION: 2; POTENTIAL: 380 V; CURRENT: 25 A; CONTACT ARRANGEMENT: 2NO 2NC; 2 POLE; 3 POSITION MOTOR A AND MOTOR B ON MAIN AIR HEATER LEAK CONTROL PANEL; PART NO: C26A221 | 50 |
| 0121197 | SWITCH, PRESSURE: RANGE: 30-1000 KPA; POTENTIAL: 220 V; CURRENT: 15 A; ACTION: SPDT; CONNECTION: 1/4 IN-NPT; ENCLOSURE RATING: IP64; DRAWING NO: 01300; REFERENCE NO: A54H82C48; PART NO: 2.04.03 | 50 |
| 0121226 | SWITCH, PRESSURE: TYPE: DIFFERENTIAL; RANGE: 0.07-2.8 BAR; POTENTIAL: 120-600 V; ACTION: DPDT; CONNECTION: 1/4 IN-FNPT; ENCLOSURE RATING: IP66; SQUARE D; PART NO: GAWM-22 | 50 |
| 0121230 | KIT, CONTACT: TYPE: LIMIT SWITCH; COUNTER CLOCK WISE ROTATION; PART NO: 11LS1-4C/8932 | 50 |
| 0121326 | SWITCH, PUSHBUTTON: COLOR: GREEN; MATERIAL PLASTIC; PART NO: Z82BA3 | 50 |
| 0121356 | SWITCH, PROXIMITY: TYPE: MAGNETIC; POTENTIAL: 12-24 VDC; CURRENT: 200 MA; SUPPL P/N: XS4P30PA340 | 50 |
| 0121359 | SWITCH, PRESSURE: RANGE: 225 BAR; CONNECTION: 3/8 IN-NPT; DRAWING NO: 014420/H; REFERENCE NO: 02557259, UNK; ON 22KV COMPRESSOR PLANT | 50 |
| 0121363 | SWITCH, PRESSURE: RANGE: 0-34.2 BAR; CONNECTION: 1 IN-FNPT; DRAWING NO: 014420/H; REFERENCE NO: 02557279, UNK; SUPPL P/N: TYPE-F2833-63; FOR 22KV BREAKER | 50 |
| 0121370 | SWITCH, PRESSURE: RANGE: 0.5-25 BAR; POTENTIAL: 250 VAC; CURRENT: 10 A; ACTION: SPDT; CONNECTION: 1/2 IN-NPT; BIS; ITM.NO:2.04.03; REFERENCE NO: 2852; | 50 |
| 0121371 | SWITCH, PRESSURE: RANGE: 0.5-16 BAR; ITM.NO:2.04.03; PART NO: 2727 | 50 |
| 0121420 | SWITCH, PRESSURE: RANGE: 0.3-0.41 BAR; 0-14.7 KPA; MAX 10 KPA; CONNECTION: 1/4 IN-FNPT; SUPPL P/N: 12NN-KA2-S1-BIB-TTYX3 | 50 |
| 0121422 | SWITCH, LIMIT: POTENTIAL: 480/600 VAC; 115/230 VDC; CURRENT: 10-5-4 A; ACTION: DPDT; ACTUATOR: PLUNGER; CONTACT ARRANGEMENT: 1NO 1NC; PILOT DUTY; MAXIMUM 10A-100-240 OR 480VAC 8A-115VDC | 50 |
| 0121423 | SWITCH, PRESSURE: TYPE: DIFFERENTIAL; RANGE: 0.65-6.65 KPA; DIFF 32 MM/H; MAX 1 KPA; CONNECTION: 1/4 IN-FNPT; REFERENCE NO: 52NN-KA117-SI-BIB-TT-YY-X3, UNK; RANGE:1016-0-1016MM WC +6.65-6.65KPA; | 50 |
| 0121425 | SWITCH, PRESSURE: RANGE: 3-10 BAR; POTENTIAL: 250 VAC; CURRENT: 10 A; ACTION: SPDT; CONNECTION: 1/2 IN-NPT; | 50 |
| 0121431 | SWITCH, PRESSURE: TYPE: DIFFERENTIAL; RANGE: 0-1.1/0-1.03 MPA; POTENTIAL: 380 VAC; CURRENT: 10 A; ACTION: SPDT; CONNECTION: 1/4 IN-FNPT; MAX CONDITION PRESS. 413KPA; | 50 |
| 0121693 | SWITCH, PRESSURE: TYPE: DIFFERENTIAL; RANGE: 0-1.1/0-1.03 MPA; POTENTIAL: 380 VAC; CURRENT: 10 A; ACTION: SPDT; CONNECTION: 1/4 IN-FNPT; MAX CONDITION PRESS. 413KPA; | 50 |
| 0123619 | SWITCH, SELECTOR: OPERATED: KNOB; POSITION: 3; POTENTIAL: 380-660 VAC; CURRENT: 4 A; CONTACT ARRANGEMENT: 1NO 2NC; | 50 |

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| 0215065 | SWITCH, PRESSURE: TYPE: WATER; RANGE: 0-1000 KPA; POTENTIAL: 48 V; CONNECTION: FLANGE; ENCLOSURE RATING: METAL; DANFOSS PRESSURE CONTROL ONLY; ACTION 2 WAY; PART NO: KP535, | 50 |
| 0220915 | SWITCH, PRESSURE: TYPE: WATER; RANGE: 0.28-5.5; PROOF 10 BAR; POTENTIAL: 480 VAC; 250 VDC; CURRENT: 3 A AC; 0.4 A DC; ACTION: SPDT; ENCLOSURE RATING: METAL; BARKSDALE ONLY; FOR USE WITH COOLING TOWER SECTOR LEVELS; LESS THAN LOW LOW; <LO LO; PART NO: DIT-M80SS, SUPPLIER: UNKNOWN; PART NO: 0401-224 | 50 |
| 0237169 | SWITCH, PRESSURE: TYPE: WATER; RANGE: 0.28-5.5; PROOF 10 BAR; POTENTIAL: 480 VAC; 250 VDC; CURRENT: 3 A AC; 0.4 A DC; ACTION: SPDT; ENCLOSURE RATING: METAL; BARKSDALE ONLY; FOR USE WITH COOLING TOWER SECTOR LEVELS; LESS THAN LOW LOW; <LO LO; PART NO: DIT-M80SS | 50 |
| 0614036 | SWITCH, FLOW: MATERIAL: SS; POTENTIAL: 220 VAC; CURRENT: 1 A; RANGE: 0-25 M3/HR; ACTION: SPST; CONNECTION: 2 IN; ENCLOSURE: IP66; SPECIFICATION: FLS1; FI1; | 50 |
| 0120891 | SWITCH, SPEED: POTENTIAL: 600 VAC; CURRENT: 5 A; CALIBRATION: 281 RPM; PART NO: 60-23PSA, | 50 |
| 0120892 | SWITCH, PUSHBUTTON: COLOR: RED; FOR MAGNETIC SEPERATOR CONTROL, MATERIAL PLASTIC; REFERENCE NO: ZBE-102; | 50 |
| 0120894 | SWITCH: TYPE: TILT CONTROL; POTENTIAL: 230 VAC; CONTACT ARRANGEMENT: 2NO 2NC; ACTION: 4PDT; MOUNT: WALL; REFERENCE NO: 20-35, UNK; SUPPL P/N: 362; 47/62HZ | 50 |
| 0121004 | SWITCH, SELECTOR: OPERATED: KNOB; POSITION: 2; POTENTIAL: 220 V; CURRENT: 20 A; CONTACT ARRANGEMENT: 3NO 3NC; SUPPL P/N: BF11A222603; 3 POLE | 50 |
| 0121224 | SWITCH, PRESSURE: TYPE: DIFFERENTIAL; RANGE: 0.7-2.8; PROOF 6.9 BAR; POTENTIAL: 120/600 V; CURRENT: 6 A; ACTION: DPDT; CONNECTION: FNPT 1/2 IN; ENCLOSURE RATING: IP66; CLASS 9012; SERIES C; PART NO: GAWM22/EB, SUPPLIER: UNKNOWN; PART NO: CS13-11-3-9, | 50 |
| 0121311 | SWITCH, PROXIMITY: TYPE: MAGNETIC; POTENTIAL: 18-30 V; CURRENT: 100 MA; DRAWING NO: 7305-18310; REFERENCE NO: A56K62A87 | 50 |
| 0121316 | SWITCH, LIMIT: POTENTIAL: 380 V; CURRENT: 10 A; 4AMPS RESISTIVE; ON ASH SYSTEM; REFERENCE NO: XCK-P118; | 50 |
| 0121414 | SWITCH, PRESSURE: RANGE: 0.5-10 BAR; REFERENCE NO: 8147002186; PART NO: DCM10, | 50 |
| 0121458 | SWITCH, FLOW: RANGE: 0-400 LPH; ENCLOSURE: STL; REFERENCE NO: 569694; | 50 |

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| 0121660 | SWITCH, PROXIMITY: SENSING RANGE: 25 MM; POTENTIAL: 10-30 VDC; CURRENT: 200 MA; CONTACT ARRANGEMENT: 1NO; CONNECTION: 4 WIRE LEAD; FLUSH MOUNT; RECTANGULAR; COMPLETE AS A UNIT WITH CABLE, PART NUMBER 35071 TYPE V1-G-2M-PVC 4X0.34 MM2 WIRES; EXTREME ADDITIONAL TEMPERATURE RANGE OF SENSOR COMPONENT 0-250 DEGREES C; 10 METER CABLE BETWEEN SENSOR AND AMPLIFIER WITH TEFLON INSULATION; PART NO: NCN25-F35-A2-250-V1, SUPPLIER: UNKNOWN; PART NO: 121990, | 50 |
| 0123622 | SWITCH, SELECTOR: OPERATED: KNOB; POSITION: S; POTENTIAL: 250 V; CURRENT: 15 A; TYPE: ONE LEVER INDUSTRIAL; 5 POLE; S POSITION; COLOUR: ORANGE ONLY; REFERENCE NO: 6261S-OR | 50 |
| 0219860 | SWITCH, PROXIMITY: POTENTIAL: 240 VAC; CURRENT: 300 MA; ACTION: SPST; CONTACT ARRANGEMENT: 1NC; VERTICAL MOUNT; PART NO: XS2-M30MB250 | 50 |
| 0234301 | SWITCH: TYPE: MICRO; POTENTIAL: 240 VAC; CURRENT: 16 A; CONTACT ARRANGEMENT: 1NO 1NC; MOUNT: TWIN SCREW; ACTION SPDT; CONNECTION: SMALL SCREW AND WASHER; BODY SIZE: 49.3MM WD X 17.4MM THK; ACTUATOR HEIGHT (FROM CENTRE OF FIXING HOLES TO TOP OF ACTUATOR: 15.9MM; HOLE SIZE 3.5MM; FIXING HOLES 25.4MM APART; ACTUATOR STYLE: PIN; APPLICATION: HP/LP LEVEL SWITCHES; PART NO: C6R06 | 50 |
| 0120886 | SWITCH, LIMIT: ACTION: SPDT; ACTUATOR: ROLLER LEVER; CONTACT ARRANGEMENT: 1NO 1NC; CAM; REFERENCE NO: 3SJ1040-1A; REFERENCE NO: 3SJ1040-1AA | 50 |
| 0121066 | SWITCH, PRESSURE: TYPE: DIFFERENTIAL; RANGE: 8-28; DIFF 0-15 BAR; POTENTIAL: 220/380 V; CURRENT: 16-10 A; CONNECTION: 1/4 IN-NPT; RANGE: 6-30 BAR; REFERENCE NO: 060-1171; REFERENCE NO: FFV 113/060-1171 | 50 |
| 0121240 | SWITCH, PRESSURE: RANGE: 170-1900 KPA; POTENTIAL: 220 V; CONNECTION: 1/4 IN-FNPT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: SOOTBLOWER; ENCLOSURE RATING: IP66; PART NO: 6N3-K45 | 50 |
| 0121704 | SWITCH, FLOW: POTENTIAL: 250 VDC; CURRENT: 0.5 A; SAMPLE; REFERENCE NO: 020-0255; PART NO: FS-4 | 50 |
| 0122285 | SWITCH, SELECTOR: OPERATED: HAND; POSITION: 2; POTENTIAL: 600 V; CONTACT ARRANGEMENT: 1NO 1NC; TYPE: LOCAL/REMOTE; ACTION: DPDT; SPECIFICATION: BS 5419; ACTUATOR TEST, CLOSED ENCLOSURE | 50 |
| 0120857 | SWITCH, PRESSURE: TYPE: DIFFERENTIAL; RANGE: 0.22-4; PROOF 12 BAR; POTENTIAL: 220 V; CURRENT: 16 A; ACTION: SPDT; CONNECTION: 3/8 IN-FNPT; ENCLOSURE RATING: IP55; FOR COUPLING 650SVN/650DTPKL; REFERENCE NO: FF4-4DAH | 50 |
| 0121433 | SWITCH, FLOW: MATERIAL: STL; RANGE: 0-20 LPM; CONNECTION: 1 IN-FNPT; SUPPL P/N: 620CILP3EES320CSS1D28BSP | 50 |
| 0227454 | SWITCH, PROXIMITY: POTENTIAL: 24 VDC; ACTION: DPST; CONTACT ARRANGEMENT: 1NO 1NC; SUPPL P/N: 187479; NCN25-F35-A2-250-V1; NCN25-F35-AZ-250-V1; BRACKET MOUNT, PEPPERL FUCHS ONLY | 50 |

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| 0250864 | SWITCH, PRESSURE: RANGE: 0-8 BAR; POTENTIAL: 220 VAC; CURRENT: 10 A; ACTION: SPDT; CONTACT RATING: 250 VAC 10 A; DIMENSIONS: WD 103 X LG 116 X HT 68 MM; APPLICATION: FIRE DETECTION SYSTEM; ENCLOSURE RATING: IP67; PART NO: KPS 35 | 50 |
| 0251472 | SWITCH, LEVEL: APPLICATION: COAL BUNKER LOW; REFERENCE NO: 40167-180; LB4710-180 MINI SWITCH 4TE | 50 |
| 0500065 | SWITCH, SELECTOR: POSITION: 2; POTENTIAL: 220-240 VAC; CURRENT: 20 A; CONTACT CONFIGURATION: ON/OFF; CONTACT ARRANGEMENT: 8NO 8NC; POWER: 2.5 KW; APPLICATION: HYDRASTEP SYSTEM; DIMENSIONS: WD 48 X LG 105 MM; MANUF P/N: ZA- D681 | 50 |
| 0120877 | SWITCH, PUSHBUTTON: COLOR: YELLOW; MATERIAL PLASTIC; REFERENCE NO: 35B1000-0AD20 | 50 |
| 0121369 | SWITCH, LIMIT: POTENTIAL: 380 VAC; CURRENT: 6 A; ACTION: SPDT; ACTUATOR: PLUNGER; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: IP65; SUPPL P/N: ES411TF101S; FOR ISOLATING TORQUE LIMITERS | 50 |
| 0121449 | WITCH, LIMIT: POTENTIAL: 600 V; ACTION: (2) SPST; ACTUATOR: DOUBLE WIRE LEVER; CONTACT ARRANGEMENT: 2NO; ENCLOSURE RATING: AL; CUTLER-HAMMER ONLY; FOR USE ON CONVEYORS; PART NO: CHW53197 | 50 |
| 0227455 | SWITCH, PRESSURE: RANGE: 50 BAR; POTENTIAL: 24 VDC; ACTION: (2) SPDT; CONNECTION: 1/4 IN-NPT; ENCLOSURE RATING: IP65; FOR TRUNION LUBE OIL SET ON MILLS; SERIAL NO: 441 785 AZ 31 3 37450; PART NO: HED 30A 36/200, | 50 |
| 0236582 | SWITCH, PRESSURE: TYPE: AIR; RANGE: 17.2-241.3 BAR; 250-3500 PSI; POTENTIAL: 110 VAC; ACTION: SPDT; CONNECTION: 1/2 IN-NPT; ENCLOSURE RATING: IP65; SUPPL P/N: H 100 - 189; TI 905; USED ON UNIT 1 TO 6 SOOTBLOWER SYSTEM, H100 | 50 |
| 0238434 | SWITCH, PRESSURE: TYPE: DIFFERENTIAL; RANGE: 105-700 KPA; POTENTIAL: 125-250 VAC; CURRENT: 15 A; ACTION: SPDT; CONNECTION: 1/4 IN-NPT; ENCLOSURE RATING: IP65; PROOF 27580 KP; USE ON MILL TRUNION FILTER DP; PART NO: D424S, | 50 |
| 0120884 | SWITCH, PUSHBUTTON: COLOR: RED; ELECTRICAL RATING: 600 VAC 6 A; ACTION: DPST; CONTACT ARRANGEMENT: 1NO 1NC; MOUNT: PANEL; SUPPL P/N: 3SB3801-2EA30-OCO | 50 |
| 0121427 | SWITCH, LIMIT: POTENTIAL: 125/250/480 VAC; 125/250 VDC; CURRENT: 0.8 A AC; 0.4 A DC; ACTION: DPDT; ACTUATOR: ROLLER LEVER; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: IP65; VARIABLE LENGTH ROLLER LEVER, SNAP ACTION; PART NO: XCK-S141H29 | 50 |
| 0225902 | SWITCH, PUSHBUTTON: COLOR: RED; ELECTRICAL RATING: 24 VDC; ACTION: 2PST; CONTACT ARRANGEMENT: 1NO 1NC; MOUNT: SURFACE; HOUSING: AL DIE CAST; MUSHROOM TWIST TO RELEASE E-STOP; PART NO: RM/ST12 | 50 |
| 0227457 | SWITCH, SELECTOR: POSITION: 3; POTENTIAL: 220 VAC; CONTACT ARRANGEMENT: 2NO 2NC; TYPE: LOCAL/REMOTE; 2 POLE; MOUNT PANEL; FOR GIRTH GEAR TRAIN PANEL; A TO E MILLS; (088939 X 1); (088896 X 1); PART NO: ZB4 BZ 103, SUPPLIER: UNKNOWN; PART NO: ZB4 BD3 | 50 |

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| 0243622 | SWITCH, PROXIMITY: TYPE: SPEED; SENSING RANGE: 8 MM; POTENTIAL: 10-30 VDC; CURRENT: 2-100 MA; DIMENSIONS: DIA 18 X LG 40 MM; CONNECTION: 2 WIRE; SPECIFICATION: 088Z04; FOR SSC SPEED MEASUREMENT; PART NO: NBN8-18GM40-Z0, MANUFACTURER: PEPPERL AND FUCHS; | 50 |
| 0241233 | SWITCH, LIMIT: POTENTIAL: 24 VDC; ACTION: SPST; CONTACT ARRANGEMENT: 1NO; ENCLOSURE RATING: METAL; PART NO: ZCK-JIH29 | 50 |
| 0121231 | SWITCH, LIMIT: POTENTIAL: 600 V; CURRENT: 10 A; ACTION: SPDT; ACTUATOR: LEVER ARM; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: NEMA 9; COMPLETE WITH LEVER; FOR USE ON ISOLATORS; MODEL NO: LSA1A-2D; PART NO: 564000 | 50 |
| 0121669 | SWITCH, PROXIMITY: ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; DOUBLE CONTACT, 52 X 6MM; REFERENCE NO: 22081625080 | 50 |
| 0237170 | SWITCH, PRESSURE: TYPE: AIR; RANGE: 4.5 BAR; POTENTIAL: 230/400 V; CURRENT: 15-11 A; ACTION: DPDT; CONNECTION: 1/2 IN-NPT; ENCLOSURE RATING: IP65; USED AT GIRTH GEAR TRAIN 1 AND 2; AIR SUPPLY ON UNT 1 TO 2; PART NO: MCSN4 | 50 |
| 0237737 | SWITCH: TYPE: MAGNETIC REED; CURRENT: 1 A AC; 800 MA DC; CONTACT ARRANGEMENT: NO NC; ACTION: DPDT; MOUNT: THD; SUPPL P/N: PSM/T/1; MATERIAL SS304, DIAMETR 10 MM , LENGTH 60 MM, SWITCHING 3 M SEC, READING DISTANCE +-28 MM, PROXY MAGNETIC SENSOR | 50 |
| 0121068 | SWITCH, FLOW: ACTION: SPDT; CONNECTION: 1 IN-NPT; 1-2 OPEN HIGH 1-3 OPEN LOW , CONN 1-11.5; REFERENCE NO: F61SB; REFERENCE NO: F61SB-9100; REFERENCE NO: F64DB9103 | 50 |
| 0227456 | SWITCH, LIMIT: POTENTIAL: 24 VDC; CURRENT: 7-8 A; ACTION: (2) SPST; ACTUATOR: ROTARY; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: IP67; DIMENSIONS: WD 30 X LG 60 MM; BARRING GEAR ENGAGE/DISENGAGE LIMIT COMPLETE IN UNIT 1 TO 6, CUTTLER HAMMER ONLY; MOUNT SURFACE; PART NO: E50RA20 SERIES A1 | 50 |
| 0238438 | SWITCH, PRESSURE: TYPE: SOR LOW DIFFERENTIAL; RANGE: 0-1 KPA; POTENTIAL: 250 VAC; CURRENT: 10 A; ACTION: SPDT; CONNECTION: 1/4 IN-NPT; ENCLOSURE RATING: IP65; NON INTRINSIC SAFE; USE ON UNIT 1 TO 6 MILL SEAL AIR DP; PART NO: 107 AL-NIZ-P1-F1A | 50 |
| 0122256 | SWITCH, PRESSURE: RANGE: 0-515 KPA; POTENTIAL: 120-600 VAC; CURRENT: 0.25-0.1 A; ACTION: SPDT; CONNECTION: 1/4 IN-FNPT; RANGE AT FALLING PRESS. 0.069 - 5.2 BAR; MAX. CONDITION PRESSURE 80KPA | 50 |
| 0210062 | SWITCH, PRESSURE: TYPE: HIGH; RANGE: 3 MPA; POTENTIAL: 24 VDC; ENCLOSURE RATING: CI; CUSTOMISED REXROTH HYDRAULIC EQUIPMENT TO BE SUPPLIED BY VITAL SYSTEMS ONLY; COMPLETE WITH R544475 MANIFOLD ADAPTOR; ACTION 2 WAY; PART NO: HED80H1X/100Z14 | 50 |
| 0223814 | SWITCH, PROXIMITY: POTENTIAL: 10-60 VDC; CURRENT: 200 MA; ACTION: SPST; CONTACT ARRANGEMENT: 1NO; SCREW ADJUSTMENT MOUNT; PEPPERL AND FUCHS ONLY; FOR USE ON THE TURBINE AND LP BYPASS CVA OIL LEAKAGE DETECTOR; PART NO: CJ10-30GM-E2-V1 | 50 |

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| 0220914 | SWITCH, PROXIMITY: POTENTIAL: 10-30 VDC; CURRENT: 200 MA; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; CONNECTION: 4 WIRE LEAD; SPECIFICATION: EN 50 008-A13; SUPPL P/N: 83766; NBBS-18 GM 60-A2; SCREW MOUNT; PEPPERL AND FUCH BRAND ONLY; FOR USE WITH SICON FLOPPER GATES | 50 |
| 0234300 | SWITCH, SENSITIVE: ACTUATOR STYLE: LEVER; CONTACT ARRANGEMENT: 1NO 1NC; POTENTIAL: 380 VAC; CURRENT: 15 A; BODY STYLE: MICRO; MOUNT: TWIN SCREW; APPLICATION: MILL TRUNION OIL FLOW METER; ACTION SPDT; ACTUATOR: TYPE WITH SHORT LENGTH (26MM FROM PIVOT TO CENTRE OF ROLLER WHEEL).ROLLER WHEEL MOUNTED ON TOP AND SPRING LOADED RETURN; CONNECTION BY MEANS OF SCREW AND CUP WASHERS ONLY; BODY SIZE: 49.3MM WD X 17.4MM THK; ACTUATOR HT FROM CENTRE OF FIXING HOLES TO TOP OF ROLLER WHEEL: 32MM; BODY HEIGHT: 29MM; FIXING HOLES 3.5MM AND 25.4MM APART; SWITCHING: MARKED ON BOTTOM AS PER SWITCH CONFIGURATION; PART NO: BZ-2RW822-P2 | 50 |
| 0635069 | SWITCH, LEVEL: METHOD OF ACTUATION: RISING/FALLING OIL LEVEL; RANGE: -10 TO 80 DEG C; POTENTIAL: 230 VAC; CURRENT: 0.5 A; POWER: 40 VA; ACTION: SPST; CONTACT ARRANGEMENT: 1NO 1NC; DIMENSIONS: DIA 12 X LG 320 MM; APPLICATION: TRUNION OIL TANK MILL; ENCLOSURE: ALUMINIUM; ENCLOSURE RATING: IP65; CLASSIFICATION: EXPLOSIONPROOF; FLOAT DIA: 44MM; TERMINAL BOX DIMENSIONS: WD 75 X LG 80 X THK 57MM; CHANGE OVER CONTACT; PART NO: AF-U-L320/12-V44A | 50 |
| 0121454 | SWITCH, PRESSURE: RANGE: 0-1000 KPA; POTENTIAL: 250 VAC; CURRENT: 10 A; ACTION: SPDT; CONNECTION: 1/2 IN-NPT; ENCLOSURE RATING: IP54; BREAKING CAPACITY: 250VAC 10(5)A; MAX.AMBIENT TEMP: 70DEG C; REFERENCE NO: PS5103G2492; PART NO: TYPE DCM 10 | 50 |
| 0210063 | SWITCH, PRESSURE: TYPE: LOW PRESSURE; RANGE: 1.5 MPA; POTENTIAL: 24 VDC; ENCLOSURE RATING: CI; CUSTOMISED REXROTH HYDRAULIC EQUIPMENT TO BE SUPPLIED BY VITAL SYSTEMS ONLY; COMPLETE WITH R544475 MANIFOLD ADAPTOR; ACTION 2 WAY; PART NO: HED80H1X/50Z14 | 50 |
| 0237738 | SWITCH, PROXIMITY: POTENTIAL: 10-38 VDC; ACTION: PNP; LED; PART NO: XS4 P18PA340 | 50 |
| 0238436 | SWITCH, PROXIMITY: POTENTIAL: 12-48 VDC; ACTION: PNP; CONNECTION: 3 WIRE; ACTION DOUBLE THROW; LOCK NUT MOUNT; FOR SICON CONVEYORS SPEED MEASUREMENT; PART NO: XSA V11373 | 50 |
| 0237739 | SWITCH, PROXIMITY: TYPE: INDUCTIVE; POTENTIAL: 10-38 VDC; PART NO: XS4 P18 MA 230 | 50 |
| 0121444 | SWITCH, LIMIT: POTENTIAL: 125/250 VAC; CURRENT: 10 A; ACTION: SPDT; ACTUATOR: LEVER; CONTACT ARRANGEMENT: 1NO 1NC; ON/OFF; PART NO: 11LS1-4PG | 50 |
| 0121665 | SWITCH, SELECTOR: POTENTIAL: 380 V; CURRENT: 16 A; ACTION: 6PST; 6 POLE; REFERENCE NO: GB4974; PART NO: C10B | 50 |
| 0225911 | SWITCH, PROXIMITY: POTENTIAL: 24 VDC; ACTION: DPST; CONTACT ARRANGEMENT: 1NO 1NC; BRACKET MOUNT; PART NO: XS4 P18 PA 370 | 50 |

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| 0225912 | SWITCH, PROXIMITY: POTENTIAL: 24 VDC; ACTION: SPST; CONTACT ARRANGEMENT: 1NO; BRACKET MOUNT; PART NO: NCN15-30 GM40-NO | 50 |
| 0242211 | SWITCH, LIMIT: POTENTIAL: 24 VDC; ACTION: DPST; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: APRON CONVEYORS UNIT 1-6; REFERENCE NO: ZCKM1H29; PART NO: 073950 | 50 |
| 0231094 | SWITCH, PROXIMITY: TYPE: INDUCTIVE; POTENTIAL: 24-240 VAC/DC; CURRENT: 5-300 MA AC; 5-200 MA DC; CONTACT ARRANGEMENT: 1NO 1NC; BASE MOUNT; ACTION SINGLE PHASE; 50/60HZ; PART NO: XS7-C40MP230 | 50 |
| 0123287 | SWITCH, LEVEL: METHOD OF ACTUATION: FLOAT; RANGE: -0 TO 50 DEG C; POTENTIAL: 250 VAC; CURRENT: 10 A; ACTION: SPDT; CABLE LENGTH: 13 M; ENCLOSURE: PLASTIC; PEAR BALL, MERCURY FILLED FLOAT; PART NO: ENH10 | 50 |
| 0121024 | SWITCH, SELECTOR: OPERATED: KEY; POSITION: 3; KEY ACTUATOR ONLY; SWITCHING SEQUENCE 1-0-11; LATCHING 2 X 50 DEG OPERATING ANGLE; REFERENCE NO: 3SB1000-4PB20 | 50 |
| 0121342 | SWITCH, SELECTOR: OPERATED: KEY; POSITION: 2; POTENTIAL: 380 V; CONTACT ARRANGEMENT: 1NO 1NC; ACTION: SPST; 250/500VAC; PART NO: EX4225-2 | 50 |
| 0121661 | SWITCH, PROXIMITY: TYPE: FLUSH; SENSING RANGE: 4 MM; POTENTIAL: 6-12 VDC; CURRENT: 1.1 MA; ACTION: SPST; CONTACT ARRANGEMENT: NO; DIMENSIONS: DIA 12 X LG 25 MM; CONNECTION: 2 WIRE; APPLICATION: NAMUR PROXY SENSOR; DC; BRS WIRE; NON-FLUSH; 4MM SENS/INP; 500HZ; 2M; CBL; NICKEL; PART NO: P6C2B1204NA/LED | 50 |
| 0225910 | SWITCH, LIMIT: POTENTIAL: 220 VAC; ACTION: (2) DPST; ACTUATOR: ROLLER LEVER; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: IP66; PART NO: XCK- M1 H29 | 50 |
| 0123192 | SWITCH, LIMIT: POTENTIAL: 600 VAC/DC; ACTION: DPST; ACTUATOR: LEVER; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE RATING: AL; PART NO: A2-33-A | 50 |
| 0241257 | SWITCH: TYPE: EMERGENCY STOP; POTENTIAL: 24 VDC; CONTACT ARRANGEMENT: 1NO; STATION; PART NO: CH191176 | 50 |
| 0121173 | SWITCH, PHOTOELECTRIC: TYPE: DAYLIGHT; CONTACT RATING: 250 V; CONTACT ARRANGEMENT: 1NO; ACTION: SPST; CONNECTION: PLUG LOCKING; PANEL MOUNT; FOR ULTRAVIOLET RAY PROTECTION; PART NO: ZS20A | 50 |
| 0227453 | SWITCH, SENSITIVE: CONTACT ARRANGEMENT: 1NO 1NC; POTENTIAL: 690 V; CURRENT: 10 A; BODY STYLE: MICRO; ACTION (2) SPDT; CUTTLER HAMMER CONTACT BLOCK FOR SICON CONVEYOR PULL KEYS, UNIT 1 TO 6; PART NO: 10250T1/ 91000T | 50 |
| 0121772 | SWITCH, LEVEL: RANGE: 90 DEG C; POTENTIAL: 24 VDC; CURRENT: 1 A; ACTION: SPST; DIMENSIONS: WD 33 X LG 205 X HT 33 MM; ENCLOSURE: NEMA 009; WITH PROLINE BLOCK CHUTE, STYLE TILT; MODEL NO: 20-39; PART NO: 005778 | 50 |

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| 0646781 | SWITCH, SELECTOR: OPERATED: LEVER; POSITION: 2; POTENTIAL: 380 V; CURRENT: 20 A; CONTACT CONFIGURATION: ON/OFF; CONTACT ARRANGEMENT: 1NO 1NC; POWER: 5.5 KW; ACTION: 6PST; APPLICATION: LANCE SOOTBLOWERS; CLASSIFICATION: IP65; PART NO: CA10B.GB6704 | 50 |
| 0646786 | SWITCH, SELECTOR: OPERATED: LEVER; POSITION: 2; POTENTIAL: 380 V; CURRENT: 20 A; CONTACT CONFIGURATION: ON/OFF; CONTACT ARRANGEMENT: 1NO 1NC; POWER: 5.5 KW; ACTION: 6PST; APPLICATION: LANCE SOOTBLOWERS; CLASSIFICATION: IP65; PART NO: CA10B.GB6704 | 50 |
| 0403713 | RECEPTACLE, ELECTRICAL: TYPE: SWITCH SOCKET COMBINATION; POLE: 3; POTENTIAL: 250 V; CURRENT: 15 A; DIMENSIONS: SQ 100 MM; REFERENCE NO: 1386-8886; 16 A; DOUBLE PLUG; COLOR IVORY; COMPLETE WITH COVER PLATES | 50 |
| 0223937 | SWITCH, PROXIMITY: POTENTIAL: 10-30 VDC; ACTION: DPST; CONTACT ARRANGEMENT: 1NO 1NC; CAPTIVE CLAMP MOUNT; USED ON THE METROFLEX DAMPERS; OPEN AND CLOSE AND HANDWHEEL LIMITS; PART NO: NBB20-L2-A2-V1, SUPPLIER: UNKNOWN; PART NO: 187548 | 50 |

Table 1: Switch Disconnectors Technical specification

| Standards | | IEC 60947-1, IEC 60947-3, VDE 0660 Part 107 | | | | | |
|---|----|--|-------|-------|-------|-------|-------|
| Type | | 3KM50 | 3KM52 | 3KM53 | 3KM55 | 3KM57 | 3KL57 |
| Rated uninterrupted current I_u | A | 63 | 125 | 160 | 250 | 400 | 400 |
| Rated insulation voltage U_i | V | 690 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Rated operational voltage U_e | V | 690 | 690 | 690 | 690 | 690 | 690 |
| Rated short-time current (1 s current), rms value | kA | 2.5 | 3.2 | 3.2 | 8 | 11 | 11 |
| Permissible ambient temperature | °C | -25 up to +55 for operation | | | | | |
| | °C | -50 up to +80 when stored | | | | | |
| Mechanical endurance, operating cycles | | 15000 | 15000 | 15000 | 12000 | 12000 | 12000 |
| Degree of protection | | IP20 (from the operator side, with fuse and terminal covers) | | | | | |

| Main conductor connections | | | | | | | |
|--|-----------------|--------|--------|--------|---------|--------------------|--------------------|
| Busbar systems max. dimensions (W X T) | mm | 25 x 9 | 45 X10 | 45 X10 | 40 X 12 | 40 X 15 | 40 X15 |
| Cable lug, max. conductor cross-section (stranded) | mm ² | 35 | 70 | 120 | 150 | 2 X 150 or 1 X 240 | 2 X 150 or 1 X 240 |
| Terminal screws | | M6 | M6 | M8 | M10 | M10 | M10 |

3 Supply Requirements

The Supply Requirements for this contract are in an Annexure A to the Contract Data provided by the *Purchaser*.

All deliveries must be done at the Kendal Power Station Stores Receiving

The delivery note must reference the order number

Deliveries must be made between 07:15 - 16:30 Monday to Thursday and Friday 07:15 – 12:15.

At times during weekends or weekdays after hours, Special deliveries might be requested during plant breakdowns.

4 Constraints on how the *Supplier* Provides the Goods

4.1 Constraints at the delivery place and place of use

- When delivering materials to site, each item must be marked with the purchase order number.
- Eskom Holdings Limited will only accept items stipulated in the Eskom Holdings Limited 's purchase order.
- No delivery will be made without a purchase order number (450....)
- Wrong deliveries will not be accepted and will be returned to the *Supplier*
- Quality Check will be done, and material with poor quality will be returned without exceptions. The *Supplier* will have to replace the goods.
- The prices include delivery but excludes VAT
- Material damaged due to inadequate protection will not be accepted on site. You are urged to ensure that sufficient packing protection is given to goods that may be susceptible to damage in transit.

NOTE: In cases where the *Supplier* employs subcontractor/s, any disagreements between the *Supplier* and their subcontractor/s shall not affect supply and/or delivery, such as the withholding of supply and/or delivery in the event of a dispute that is independent of Eskom.

4.2 Services & other things to be provided by the *Purchaser* or *Supplier*

During off loading, Eskom will assist with a fork lift.

4.3 Management meetings

Regular meetings of a general nature may be convened and chaired by the *Supply Manager* as follows:

| Title and purpose | Approximate time & interval | Location | Attendance by: |
|--|-----------------------------|----------------------|---|
| Overall contract progress and feedback | As an when required | Kendal Power Station | <i>Purchaser, Supplier, and stakeholders from both parties as and when required</i> |

Meetings of a specialist nature may be convened as specified elsewhere in this Goods Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the manufacture of the *goods*. Records of these meetings shall be submitted to the *Supply Manager* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

4.4 Documentation control

All documents submitted by the *Supplier* shall be of good quality and shall be subject to the *Purchaser's* approval. All goods to be delivered must be accompanied by a delivery note.

4.5 Health and safety risk management

The *Supplier* shall comply with the following health and safety requirements:

The *Supplier* shall at all times comply with the health and safety requirements prescribed by law applicable to these services, including Eskom health and safety procedures. Minimum:

- [1] Basic Conditions of Employment Act No 75 of 1997.
- [2] Occupational Health and Safety Act and Regulations No 85 of 1993.
- [3] National Environmental Management Act 107 of 1998.
- [4] National Road Traffic Act 93 of 1996.
- [5] 32-37 Eskom Substance Abuse Procedure.

- [6] 32-136 Eskom Contractor Health and Safety Requirements
- [7] 240-62196227 Eskom Life- saving Rules
- [8] 32-95 Eskom Environmental, Occupational Health and Safety Incident Management Procedure
- [9] 32-727 Eskom SHEQ Policy
- [10] 240-62946386 Eskom Vehicle and Driver Safety Management Procedure
- [11] 32-520 Eskom Risk assessment procedure
- [12] *1015696 Kendal Power Station Contractors SHE specification

The *Supplier* shall comply with the health and safety requirements contained in Project SHE specification provided with the tender documents, Occupational health and safety act and all applicable health & safety laws and regulations and rules, guidelines, and procedures.

- The *Supplier* shall develop and implement a project specific health and safety plan based on the provided project applicable SHE requirements and legal requirements. The *Supplier* shall submit the plan to the *Purchaser's* Safety risk department before commencement of the contract for evaluation and approval.
- These documents shall be maintained for the duration of the contract.

4.6 Environmental constraints and management

The *Supplier* shall comply with the environmental criteria and constraints

Kendal Power Station is ISO 14001 compliant. The *Supplier* must comply with the requirements of this procedure titled: Environmental Management System Requirement for the Contractors number PG/240/008. Kendal also has an SHEQ Policy PS/270/0083, to which every *Supplier* must adhere to. It is therefore the responsibility of the *Supplier* to ensure that the *Supplier* obtains copies of Kendal SHEQ Policy. The *Supplier* must identify all Environmental aspects and impacts related to his/her activities.

The *Supplier* must comply with the following requirements.

- a) Environmental Management System (ISO 14001:2015)
- b) National Environmental Management Act (Act 107 of 1998)
- c) Environmental Management Procedure for Contractors (*1018332)
- d) Waste Management Procedure (*1024102)
- e) Non-conformance, Corrective and Preventative Action (*1017357)

4.7 Quality

Quality assurance requirements

General

- a. The *Supplier* complies with the *Purchaser's* quality and technical requirements including those listed in the *Purchaser's* specification document QM58 (Quality Management Specification 240- 105658000).

Quality Management documents requirements

The *Supplier* submits the following document after contract award to the *Supply Manager* for review and acceptance and prior to the commencement of work

The *Supplier* will supply the *Supply Manager* with a QCP which will detail the *Supplier's* organisation, quality assurance and quality control procedures specific to this project. The QCP must be aligned to, and reference ISO 10005:2005 QMS, guidelines for quality plans and in compliance with the guideline in QM 58 (Quality Management Specification 240- 105658000). The QCP will make reference to the *Supplier's* QMS Procedures to be used in this Contract:

- a. The *Supplier's* QMS compliance with the requirements of ISO 9001
- b. *Supplier's* quality manual
- c. *Supplier's* quality procedures
- d. *Supplier's* quality forms and work instructions
- e. *Supplier's* quality system documents referenced in this Works Information

Non Conformances and Defects

Where NCR's and Defect notifications are issued, the *Supplier* acknowledges receipt as per reply period and proposes corrective and preventive actions to the *Supply Manager* as per the contract response period. The corrective and preventive actions will include the implementation and completion dates. Progress on all NCR's and Defect notifications issued to the *Supplier* must be reported to the *Supply Manager* on weekly

4.8 Invoicing and payment

Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.2, the *Supplier* provides the *Purchaser* with a tax invoice showing the amount due for payment equal to that stated in the *Supply Manager's* certificate.

The *Supplier* shall address the tax invoice to *Purchaser* and include on each invoice the following information:

- Name and address of the *Supplier* and the *Supply Manager*;
- The contract number and title;
- *Supplier's* VAT registration number;
- The *Purchaser's* VAT registration number.
- Description of *goods* and *services* provided for each item invoiced based on the Price Schedule;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
- (add other as required).
- All invoices must be submitted to invoiceseskomlocal@eskom.co.za after the goods have passed the Quality Control processes which include goods receipts.

4.9 Insurance provided by the *Purchaser*

As per Core Clause Z13.1 stated in C1.2 SC3 Contract Data (Data Provided by the *Purchaser*) of this NEC3 SC3 document.

C3.2 *SUPPLIER'S* GOODS INFORMATION

This section of the Goods Information will always be contract specific depending on the nature of the *goods* and *services*.

It is most likely to be required for supply contracts where the tendering supplier will have proposed specifications and schedules for the *goods* and *services*, which once accepted by the *Purchaser* prior to award of contract now become obligations of the *Supplier* per core clause 20.1.

This section could also be compiled as a separate file.
