




SPEC SHEET

SAP MATERIAL No.:	0165299							
SHORT DESCRIPTION:	CB 40A 230V 5kA 1P D3034							
TECH. DESCRIPTION:								
MINIATURE CIRCUIT BREAKER * 40A * 230V * SINGLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 5kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : (SPECIAL SLOW INSTANTANEOUS – CURVE 1/CURVE D) INSTANTANEOUS TRIP ABOVE 1000 AMPS OR PROOF OF DISCRIMINATION WITH A 20 AMP CBI STANDARD CURVE CIRCUIT BREAKER FOR PROSPECTIVE FAULT LEVELS OF UP TO 1000 AMPS) * OPERATING MECHANISM : HYDRAULIC MAGNETIC * BREAKER SHALL HAVE NO EXPOSED LIVE PARTS AND SHALL COMPLY WITH CLAUSE 8.2 OF IEC 60898 * DIN RAIL MOUNTED * ESKOM DRAWING No. D-DT-3034 *								
SAP MATERIAL No.:	0165305							
SHORT DESCRIPTION:	CB 80A 230V 5kA 1P D3034							
TECH. DESCRIPTION:								
MINIATURE CIRCUIT BREAKER * 80A * 230V * SINGLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 5kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : (SLOW INSTANTANEOUS - CURVE 1/CURVE D) * OPERATING MECHANISM : HYDRAULIC MAGNETIC * BREAKER SHALL HAVE NO EXPOSED LIVE PARTS AND SHALL COMPLY WITH CLAUSE 8.2 OF IEC 60898 * DIN RAIL MOUNTED * ESKOM DRAWING No. D-DT-3034 *								
ITEM	:- MINI CIRCUIT BREAKERS/MOULDED CASE CIRCUIT BREAKERS							
MATERIAL SPECIFICATION	:-							
CORROSION SPECIFICATION	:-							
STANDARD SPECIFICATION	:- VC 8036							
ESKOM SPECIFICATION	:-							
TEST & CERTIFICATION REQUIREMENTS :-								
INSPECTION	Yes	No	ESKOM RELEASE NOTE			Yes	No	
IDENTIFICATION:- INDELIBLE MANUFACTURES TRADEMARK & PART No. ON ALL ITEMS								
13	LUG INFORMATION AND ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING ADDED	P.A.T.	J.MAUDU	J.MAUDU	25.07.2012			
12	SUITABLE FOR ISOLATION ADDED TO ALL TECH. DESC.S	P.A.T.	B. MWAREHWA	R. KELLY	08.09.2011			
11	0165299 & 0165301 CURVE ADDED	N.M.	J.MAUDU	J.MAUDU	22.05.2008			
10	250A CB ADDED AND 0165318, 0186796, 0165199 AND 0165307 CHANGED FROM L20Y TO L20B	P.A.V.	J. MAUDU	J. MAUDU	06.03.2007			
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF.	DWGS	
AUTH:	A. ABROSIE	DATE:	20.05.1998	 D-DT- 3034		SAP No:		
CHKD:	D. PILLAY	DATE:	20.05.1998			0165299		
						0165305		
DRAWN:	P.A. VERMAAK	DATE:	22.04.1998			SET	SHEET	REV
						6	1	13

SPEC SHEET

SAP MATERIAL No.:	0165301							
SHORT DESCRIPTION:	CB 40A 400V 5kA 3P D3034							
TECH. DESCRIPTION:	<p>MINIATURE CIRCUIT BREAKER * 40A * 400V * TRIPLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 5kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : (SPECIAL SLOW INSTANTANEOUS - CURVE 1/CURVE D) INSTANTANEOUS TRIP ABOVE 1000 AMPS OR PROOF OF DISCRIMINATION WITH A 20 AMP CBI STANDARD CURVE CIRCUIT BREAKER FOR PROSPECTIVE FAULT LEVELS OF UP TO 1000 AMPS) * OPERATING MECHANISM : HYDRAULIC MAGNETIC * BREAKER SHALL HAVE NO EXPOSED LIVE PARTS AND SHALL COMPLY WITH CLAUSE 8.2 OF IEC 60898 * DIN RAIL MOUNTED * ESKOM DRAWING No. D-DT-3034 *</p>							
SAP MATERIAL No.:	0165302							
SHORT DESCRIPTION:	CB 80A 400V 5kA 3P D3034							
TECH. DESCRIPTION:	<p>MINIATURE CIRCUIT BREAKER * 80A * 400V * TRIPLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 5kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : (SLOW INSTANTANEOUS - CURVE 1/CURVE D) OPERATING MECHANISM : HYDRAULIC MAGNETIC * BREAKER SHALL HAVE NO EXPOSED LIVE PARTS AND SHALL COMPLY WITH CLAUSE 8.2 OF IEC 60898 * DIN RAIL MOUNTED * ESKOM DRAWING No. D-DT-3034 *</p>							
SAP MATERIAL No.:	0165265							
SHORT DESCRIPTION:	CB 100A 400V 5kA 3P D3034							
TECH. DESCRIPTION:	<p>MINIATURE CIRCUIT BREAKER * 100A * 400V * TRIPLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 5kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : (SLOW INSTANTANEOUS - CURVE 1/CURVE D) OPERATING MECHANISM : HYDRAULIC MAGNETIC * BREAKER SHALL HAVE NO EXPOSED LIVE PARTS AND SHALL COMPLY WITH CLAUSE 8.2 OF IEC 60898 * DIN RAIL MOUNTED * ESKOM DRAWING No. D-DT-3034 *</p>							
13	LUG INFORMATION AND ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING ADDED	P.A.T.	J.MAUDU	J.MAUDU	25.07.2012			
12	SUITABLE FOR ISOLATION ADDED TO ALL TECH. DESC.S	P.A.T.	B. MWAREHWA	R. KELLY	08.09.2011			
11	0165299 & 0165301 CURVE ADDED	N.M.	J.MAUDU	J.MAUDU	22.05.2008			
10	250A CB ADDED AND 0165318, 0186796, 0165199 AND 0165307 CHANGED FROM L20Y TO L20B	P.A.V.	J. MAUDU	J. MAUDU	06.03.2007			
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS		
AUTH:	A. ABROSIE	DATE:	20.05.1998	 D-DT- 3034		SAP No:		
CHKD:	D. PILLAY	DATE:	20.05.1998			0165301	0165265	
DRAWN:	P.A. VERMAAK	DATE:	22.04.1998			0165302	SET	SHEET
						6	2	13

SPEC SHEET

SAP MATERIAL No.:	0165306									
SHORT DESCRIPTION:	CB 150A 400V 20kA 3P J25S/EQUIV. D3034									
TECH. DESCRIPTION:										
MOULDED CASE CIRCUIT BREAKER * 150A * 400V * TRIPLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 20kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : STANDARD * OPERATING MECHANISM : ELECTRONIC/HYDRAULIC MAGNETIC * ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING REQUIRED BY ESKOM * J25S OR EQUIVALENT * FITTED WITH T2 EXTENDED LUG TERMINALS AT LOAD AND LINE SIDE * WITH PHASE (FLASH) BARRIERS ON LINE AND LOAD SIDE * SUITABLE FOR A 70mm SQUARE LUG/PALM WIDTH: 22mm MINIMUN * ESKOM DRAWING No. D-DT-3034 *										
SAP MATERIAL No.:	0165317									
SHORT DESCRIPTION:	CB 225A 400V 20kA 3P J25S/EQUIV. D3034									
TECH. DESCRIPTION:										
MOULDED CASE CIRCUIT BREAKER * 225A * 400V * TRIPLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 20kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : STANDARD * OPERATING MECHANISM : ELECTRONIC/HYDRAULIC MAGNETIC * ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING REQUIRED BY ESKOM * J25S OR EQUIVALENT * FITTED WITH T2 EXTENDED LUG TERMINALS AT LOAD AND LINE SIDE * WITH PHASE (FLASH) BARRIERS ON LINE AND LOAD SIDE * SUITABLE FOR A 70mm SQUARE LUG/PALM WIDTH: 22mm MINIMUN * ESKOM DRAWING No. D-DT-3034 *										
ITEM	:- MINI CIRCUIT BREAKERS/MOULDED CASE CIRCUIT BREAKERS									
MATERIAL SPECIFICATION	:-									
CORROSION SPECIFICATION	:-									
STANDARD SPECIFICATION	:- SANS 556-1									
ESKOM SPECIFICATION	:-									
TEST & CERTIFICATION REQUIREMENTS :-										
INSPECTION		Yes	No	ESKOM RELEASE NOTE			Yes	No		
IDENTIFICATION:- INDELIBLE MANUFACTURES TRADEMARK & PART No. ON ALL ITEMS										
13	LUG INFORMATION AND ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING ADDED			P.A.T.	J.MAUDU	J.MAUDU	25.07.2012			
12	SUITABLE FOR ISOLATION ADDED TO ALL TECH. DESC.S			P.A.T.	B. MWAREHWA	R. KELLY	08.09.2011			
11	0165299 & 0165301 CURVE ADDED			N.M.	J.MAUDU	J.MAUDU	22.05.2008			
10	250A CB ADDED AND 0165318, 0186796, 0165199 AND 0165307 CHANGED FROM L20Y TO L20B			P.A.V.	J. MAUDU	J. MAUDU	06.03.2007			
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE	REF. DWGS		
AUTH:	A. ABROSIE	DATE:	20.05.1998	SCALE NTS		 SAP No: 0165306 0165317				
CHKD:	D. PILLAY	DATE:	20.05.1998	CAD REF: SERIES 3000						
DRAWN:	P.A. VERMAAK	DATE:	22.04.1998	FILE No: 3034		D-DT-3034		SET 6	SHEET 3	REV 13

SPEC SHEET

SAP MATERIAL No.:	0165280
SHORT DESCRIPTION:	CB 250A 400V 20kA 3P J25S/EQUIV. D3034


TECH. DESCRIPTION:

MOULDED CASE CIRCUIT BREAKER * 250A * 400V * TRIPLE POLE *
 MINIMUM FAULT RUPTURING CAPACITY : 20kA *
 SUITABLE FOR ISOLATION*
 TRIPPING CURVE : STANDARD *
 OPERATING MECHANISM : ELECTRONIC/HYDRAULIC MAGNETIC *
ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING REQUIRED BY ESKOM *
 J25S OR EQUIVALENT *
 FITTED WITH T2 EXTENDED LUG TERMINALS AT LOAD AND LINE SIDE *
 WITH PHASE (FLASH) BARRIERS ON LINE AND LOAD SIDE *
SUITABLE FOR A 185mm SQUARE LUG/PALM WIDTH: 34mm MINIMUM *
 ESKOM DRAWING No. D-DT-3034 *


SAP MATERIAL No.:	0165318
SHORT DESCRIPTION:	CB 300A 400V 20kA 3P L20B/EQUIV. D3034

TECH. DESCRIPTION:


MOULDED CASE CIRCUIT BREAKER * 300A * 400V * TRIPLE POLE *
 MINIMUM FAULT RUPTURING CAPACITY : 20kA *
 SUITABLE FOR ISOLATION*
 TRIPPING CURVE : STANDARD *
 OPERATING MECHANISM : ELECTRONIC/HYDRAULIC MAGNETIC *
ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING REQUIRED BY ESKOM *
 L20B OR EQUIVALENT *
FITTED WITH T2 EXTENDED LUG TERMINALS AT LOAD AND LINE SIDE *
 WITH PHASE (FLASH) BARRIERS ON LINE AND LOAD SIDE *
SUITABLE FOR A 185mm SQUARE LUG/PALM WIDTH: 34mm MINIMUM *
 ESKOM DRAWING No. D-DT-3034 *

13	LUG INFORMATION AND ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING ADDED	P.A.T.	J.MAUDU	J.MAUDU	25.07.2012		
12	SUITABLE FOR ISOLATION ADDED TO ALL TECH. DESC.S	P.A.T.	B. MWAREHWA	R. KELLY	08.09.2011		
11	0165299 & 0165301 CURVE ADDED	N.M.	J.MAUDU	J.MAUDU	22.05.2008		
10	250A CB ADDED AND 0165318, 0186796, 0165199 AND 0165307 CHANGED FROM L20Y TO L20B	P.A.V.	J. MAUDU	J. MAUDU	06.03.2007		
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	A. ABROSIE	DATE:	20.05.1998	 D-DT- 3034	SAP No:		
CHKD:	D. PILLAY	DATE:	20.05.1998		0165280		
DRAWN:	P.A. VERMAAK	DATE:	22.04.1998		0165318		
					FILE No:	3034	SET
					6	4	13

SPEC SHEET

SAP MATERIAL No.:	0186796							
SHORT DESCRIPTION:	CB 350A 400V 20kA 3P L20B/EQUIV. D3034							
TECH. DESCRIPTION:								
MOULDED CASE CIRCUIT BREAKER * 350A * 400V * TRIPLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 20kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : STANDARD * OPERATING MECHANISM : ELECTRONIC/HYDRAULIC MAGNETIC * ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING REQUIRED BY ESKOM * L20B OR EQUIVALENT * FITTED WITH T2 EXTENDED LUG TERMINALS AT LOAD AND LINE SIDE * WITH PHASE (FLASH) BARRIERS ON LINE AND LOAD SIDE * SUITABLE FOR A 185mm SQUARE LUG/PALM WIDTH: 34mm MINIMUM * ESKOM DRAWING No. D-DT-3034 *								
SAP MATERIAL No.:	0165199							
SHORT DESCRIPTION:	CB 450A 400V 20kA 3P L20B/EQUIV. D3034							
TECH. DESCRIPTION:								
MOULDED CASE CIRCUIT BREAKER * 450A * 400V * TRIPLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 20kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : STANDARD * OPERATING MECHANISM : ELECTRONIC/HYDRAULIC MAGNETIC * ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING REQUIRED BY ESKOM * L20B OR EQUIVALENT * FITTED WITH T2 EXTENDED LUG TERMINALS AT LOAD AND LINE SIDE * WITH PHASE (FLASH) BARRIERS ON LINE AND LOAD SIDE * SUITABLE FOR A 240mm SQUARE LUG/PALM WIDTH: 40mm MINIMUM * ESKOM DRAWING No. D-DT-3034 *								
13	LUG INFORMATION AND ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING ADDED		P.A.T.	J.MAUDU	J.MAUDU	25.07.2012		
12	SUITABLE FOR ISOLATION ADDED TO ALL TECH. DESC.S		P.A.T.	B. MWAREHWA	R. KELLY	08.09.2011		
11	0165299 & 0165301 CURVE ADDED		N.M.	J.MAUDU	J.MAUDU	22.05.2008		
10	250A CB ADDED AND 0165318, 0186796, 0165199 AND 0165307 CHANGED FROM L20Y TO L20B		P.A.V.	J. MAUDU	J. MAUDU	06.03.2007		
REV	REVISION DESCRIPTION		BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	A. ABROSIE	DATE:	20.05.1998	 D-DT- 3034		SAP No:		
CHKD:	D. PILLAY	DATE:	20.05.1998			0186796		REV
						0165199		
DRAWN:	P.A. VERMAAK	DATE:	22.04.1998			SET	SHEET	
				6	5	13		

SPEC SHEET

SAP MATERIAL No.:	0165307								
SHORT DESCRIPTION:	CB 600A 400V 20kA 3P L20B/EQUIV. D3034								
TECH. DESCRIPTION:									
MOULDED CASE CIRCUIT BREAKER * 600A * 400V * TRIPLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 20kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : STANDARD * OPERATING MECHANISM : ELECTRONIC/HYDRAULIC MAGNETIC * ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING REQUIRED BY ESKOM * L20B OR EQUIVALENT * WITH PHASE (FLASH) BARRIERS ON LINE AND LOAD SIDE * ESKOM DRAWING No. D-DT-3034 *									
SAP MATERIAL No.:	0165304								
SHORT DESCRIPTION:	CB 800A 400V 25kA 3P M25B/EQUIV. D3034								
TECH. DESCRIPTION:									
MOULDED CASE CIRCUIT BREAKER * 800A * 400V * TRIPLE POLE * MINIMUM FAULT RUPTURING CAPACITY : 25kA * SUITABLE FOR ISOLATION* TRIPPING CURVE : STANDARD * OPERATING MECHANISM : ELECTRONIC/HYDRAULIC MAGNETIC * ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING REQUIRED BY ESKOM * M25B OR EQUIVALENT * WITH PHASE (FLASH) BARRIERS ON LINE AND LOAD SIDE * ESKOM DRAWING No. D-DT-3034 *									
13	LUG INFORMATION AND ELECTRONIC SETTABLE MCCB: STICKER/LABLE CURRENT RATING ADDED			P.A.T.	J.MAUDU	J.MAUDU	25.07.2012		
12	SUITABLE FOR ISOLATION ADDED TO ALL TECH. DESC.S			P.A.T.	B. MWAREHWA	R. KELLY	08.09.2011		
11	0165299 & 0165301 CURVE ADDED			N.M.	J.MAUDU	J.MAUDU	22.05.2008		
10	250A CB ADDED AND 0165318, 0186796, 0165199 AND 0165307 CHANGED FROM L20Y TO L20B			P.A.V.	J. MAUDU	J. MAUDU	06.03.2007		
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	A. ABROSIE	DATE:	20.05.1998	SCALE	 D-DT- 3034		SAP No:		
CHKD:	D. PILLAY	DATE:	20.05.1998	NTS			0165307		
				CAD REF:			0165304		
				SERIES 3000			SET	SHEET	REV
DRAWN:	P.A. VERMAAK	DATE:	22.04.1998	FILE No:	6	6	13		
				3034					