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S 120-4072(FUJ)

REF. DRG. NO.

SIGN. & DATE

INVENTORY No.

100027028001

STYLE LIST

VAR IT.NO ST.NO.

001 BP9094715520

TERMINAL
SEE NOTE 6&7

3 (APPROX)

SILICONE GLASS
BRAID TUBE
(O.D. : $\phi 5$
I.D. : $\phi 4$
LENGTH : 95)

R25

COPPER FLEXIBLE
 $\phi 3$ IN 4.4 ϕ HOLE

10

25

1.5X45°

60°

FOR IT.001 55 -0.10
-0.30

FOR IT.002 58 -0.10
-0.30

SLIT
0.5 DEEP

16

6.5

11.5

24

105

42.5

30

5

14.5

45 +1

TAMPING

SILICONE RUBBER
ROUND TOP
SEE NOTE-5

CARBON BRUSH

NOTES:-

- BRUSH GRADE TO BE MARKED BY SUPPLIER ON ONE FACE OF THE BRUSH ABOVE CONDEMNING MARK.
- SPECIALLY REINFORCED FLEXIBLES SUITABLE FOR TRACTION DUTY REQUIRED.
- BRUSH GRADE — MORGANITE EG. 14.D.
- ON BOTH OUTER FACES OF THE BRUSH. MARK TWO DOTS BY DRILL , WHICH INDICATE CONDEMNING LENGTH AS SHOWN.
- SILICONE RUBBER TOP TO BE BONDED WITH SUITABLE ADHESIVE.
- COPPER TUBE FOR TERMINAL O.D. 11 X 1TK X 24 LG.
- TINNING THICKNESS 0.005 MM TO 0.008 MM.
- IT. 001 FOR TM 4303 AZ & CZ.,IT.002 FOR TM 4303 BY & DY
- CARBON BRUSH TO CONFROM TO IS13584-93(OR LATEST) & IS13466-92(OR LATEST).
- TECHNICAL DATA OF BRUSH GRADE VIZ. APPARENT DENSITY, SHORE HARDNESS, TRANSVERSE STRENGTH, SPECIFIC RESISTANCE,CONTACT VOLTAGE DROP, CO-EFFICIENT OF FRICTION AND MATERIAL ARE TO BE SUPPLIED ALONG WITH QUOTATION TO ENABLE CONSIDERATION OF OFFER.
- REFER TM 98262 FOR ACCEPTANCE OF CARBON BRUSHES.
- ~~THE GRADES OF CARBON BRUSHES SHALL BE AS PER IREPS VENDOR DIRECTORY, CURRENT IREPS VENDOR DIRECTORY TO BE ESSENTIALLY REFERRED BEFORE PI/ENQUIRY.~~
- APPROVED CARBON BRUSH GRADES:-
 - EG14D(I) OF ASSAM CARBON PRODUCTS LTD.
 - EG-6754 OF MERSEN INDIA PVT. LTD.

| | | | |
|-----|--------------|----|------|
| 002 | CARBON BRUSH | KG | 0.10 |
| 001 | CARBON BRUSH | KG | 0.10 |

| VAR. 00 | REMARKS | VAR. NO. | ITEM NO. | DESCRIPTION | STD. | DRAWING NO. | IT. NO. | MATL. CODE. | A | UNIT | UNIT WT. | QTY. | | | | | | | | | | | |
|---------|---------|----------|----------|-------------|------|-------------|---------|-------------|----|------|----------|------|----|----|----|----|----|----|----|----|----|----|----|
| 58 | 64 | 65 | 75 | 76 | 79 | 25 | 27 | 29 | 58 | 59 | 60 | 77 | 28 | 31 | 34 | 46 | 55 | 56 | 57 | 58 | 68 | 71 | 72 |

CARD TYPE-3 → 28

CARD TYPE-1 → 28

CARD TYPE-2 → 28

ADDITIONAL INFORMATION

STATUS OF DRAWING

DISTRIBUTION OF PRINTS
TME-1
TXM-4
TNX -1

TYPE OF PRODUCT OR
NAME OF CUSTOMER/PROJECT

TM4303AZ,TM4303BY,TM4303CZ&TM4303DY
25 KV BG AC EMU &1400 HP DEMU

DRN. NAME SIGN. DATE

VRD Sd/- 0.02.89

CKD. SGB Sd/- 03.02.89

APPD. RKD/ATR Sd/- 16.02.89

DEPT. GRADE OF UN. TOL SCALE WEIGHT (K.G.) REF. TO ASSY. ITEM NO. 75 77

TME DIM. ϕ /M/F NTS 14392080003 003 NO. OF

405 14392028003 005 ITEM 002

TITLE

CARBON BRUSH

DRAWING NO. 34392028001

SHT.NO 01 NO.OF.SHT. 01

NOTE-13 ADDED. NOTE-12 DELETED.

IREPS VENDOR DIRECTORY WAS LATEST RDSO APPROVED LIST.

NOTE-9 MODIFIED

REV 12 DATE 19.11.24 ALTERED VK CHECKED SSP APPROVED SSP

REV 11 DATE 16.11.22 ALTERED VK CHECKED SSP APPROVED SSP

REV 10 DATE 27.10.21 ALTERED A.J. CHECKED P.T. APPROVED V.R.

REFERENCE- Drg no. 34392028001

APPROVED BY

~~Shri. H. K. Ram Yadav~~

[illegible]

TPIA –BHEL appointed third Party Inspecting Agency

TP – Task Performer