

# ITI LIMITED

## **Bangalore Plant**

(A Govt. of India Undertaking)  
Dooravaninagar. P. O. Bengaluru – 560016  
[www.itild.in](http://www.itild.in)

**ITI LIMITED, BANGALORE PLANT INVITES BID THROUGH GeM for  
“Procurement of Copper bus bar & other line items.”**

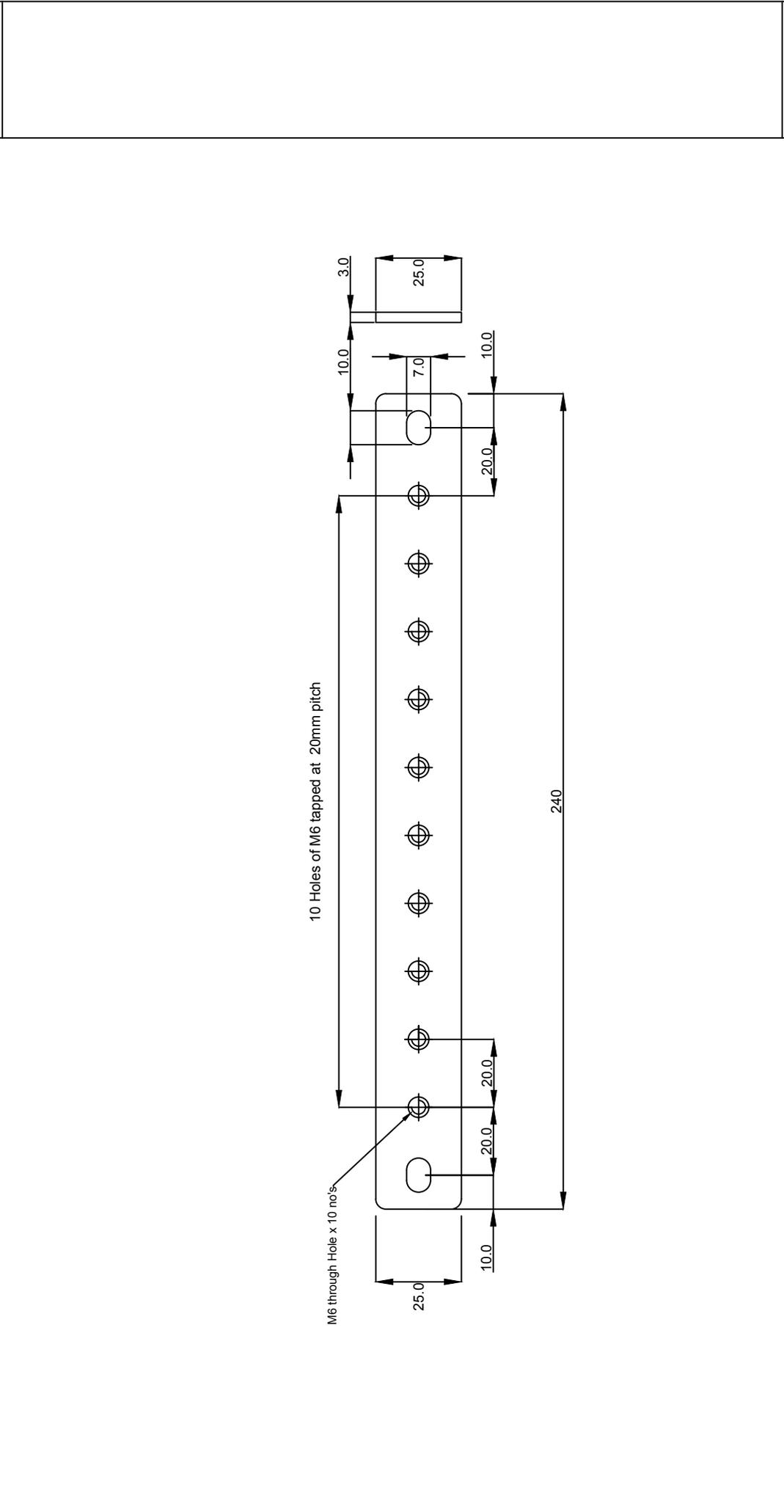
**[Two Bid System]**

**ANNEXURE-A – TECHNICAL SPECIFICATIONS & DRAWINGS**

Sl.No	Item Code	Items Description	Make	Qty (Nos)
1	DC9A1110070A2NS	Tin Plated Copper Bus Bar 240mm x 3mm x 25mm with M6 tap holes 10 nos	1.DFMHUB 2. Noves Automations 3. P M Industries 4. Satellites Electric Company 5. C.S.Surana 6. Ravi Enterprises 7. Copper Alloys 8. M M Electricals	15
2	DC9C1000002NSNS	Conical Insulator- H-30mm	1. Vishal Ceramics 2. Flucon Components Private Limited 3. Innovative Systems 4. Satellites Electric Company 5. C.S.Surana 6. M M Electricals 7. Powercam Electricals Pvt. Ltd.	30
3	DC9C1000003NSNS	Conical Insulator- H-25mm	1. Vishal Ceramics 2. Flucon Components Private Limited 3. Innovative Systems 4. Satellites Electric Company 5. C.S.Surana 6. M M Electricals 7. Powercam Electricals Pvt. Ltd.	100
4	DC9A1104071A2NS	Tin Plated Copper Bus Bar 100mm x 3mm x 25mm with M6 tap holes 04 nos	1.DFMHUB 2. Noves Automations 3. P M Industries 4. Satellites Electric Company 5. C.S.Surana 6. Ravi Enterprises 7. Copper Alloys 8. M M Electricals	48
5	DC7F8032143E1NS	DC MCB-32A-1P- C Curve	1. Guha Control Gears Private Limited 2. Delton Control & Switchgears LLP 3. Lotus control 4. Satellites Electric Company 5. C.S.Surana 6. Pooja Power Products 7. Anmool Inc. 8. M M Electricals	114
6	DC7F8010144E1NS	DC MCB-10A-1P- C Curve	1. Guha Control Gears Private Limited 2. Delton Control & Switchgears LLP 3. Lotus control 4. Satellites Electric Company 5. C.S.Surana 6. Pooja Power Products 7. Anmool Inc. 8. M M Electricals	24

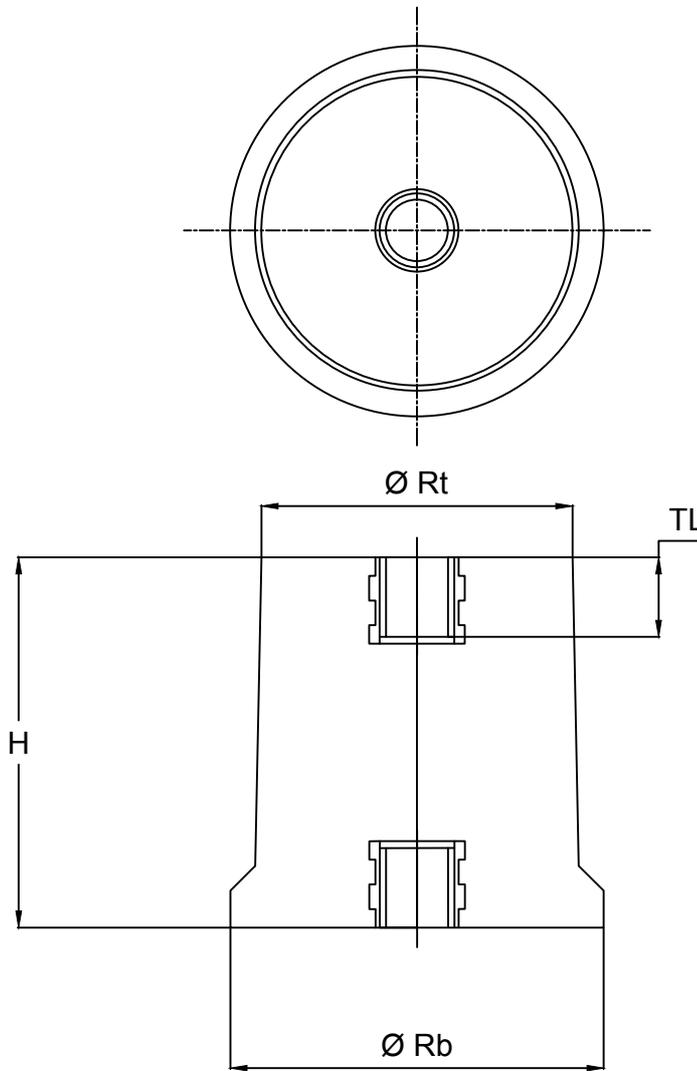
7	DC7F8006146E1NS	DC MCB-6A-1P- C Curve	<ol style="list-style-type: none"><li>1. Guha Control Gears Private Limited</li><li>2. Delton Control &amp; Switchgears LLP</li><li>3. Lotus control</li><li>4. Satellites Electric Company</li><li>5. C.S.Surana</li><li>6. Pooja Power Products</li><li>7. Anmool Inc.</li><li>8. M M Electricals</li></ol>	3
8	DC7F8002147E1NS	DC MCB-2A-1P- C Curve	<ol style="list-style-type: none"><li>1. Guha Control Gears Private Limited</li><li>2. Delton Control &amp; Switchgears LLP</li><li>3. Lotus control</li><li>4. Satellites Electric Company</li><li>5. C.S.Surana</li><li>6. Pooja Power Products</li><li>7. Anmool Inc.</li><li>8. M M Electricals</li></ol>	2

CODE		MATL.	SPEC.	FIN.	SPEC.	SHEET-1 OF 2
		COPPER ( ETP Copper)		TIN		ISSUE APP.
						01 DATE MAR
						13-08-2024



REF: ASCON 42URACK	W.O:	U.O:
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DRN						
TRD.						
CHKD						
DC9A1110070A2NS						ITL LIMITED
Tin Plated Copper Bus Bar 240mm x 3mm x 25mm with M6 tap holes 10 nos						BANGALORE-16
						A4



## 1. Material :

Body: DMC (Dough Moulding Compound)

Insert : Aluminium / Brass / Steel (Zinc Passivated) / Stainless Steel

2. Sample to be submitted along with catalogue/technical data sheet for approval before bulk procurement stage.

ALL DIMENSIONS  
ARE IN 'mm'TOLERANCES TO  
RULING NO. 16

REF: ASCON 42U RACK

W.O:

U.O:

DET.NO.	Height (H)	Rt $\varnothing$	Rb $\varnothing$	TL	Thread Size	Nominal voltage (AC/DC)
01	30	25	30	7	M6	1200/1600

All Dimensions are in MM

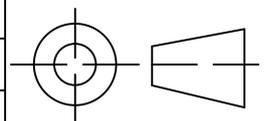
Conical Insulator- H-30mm

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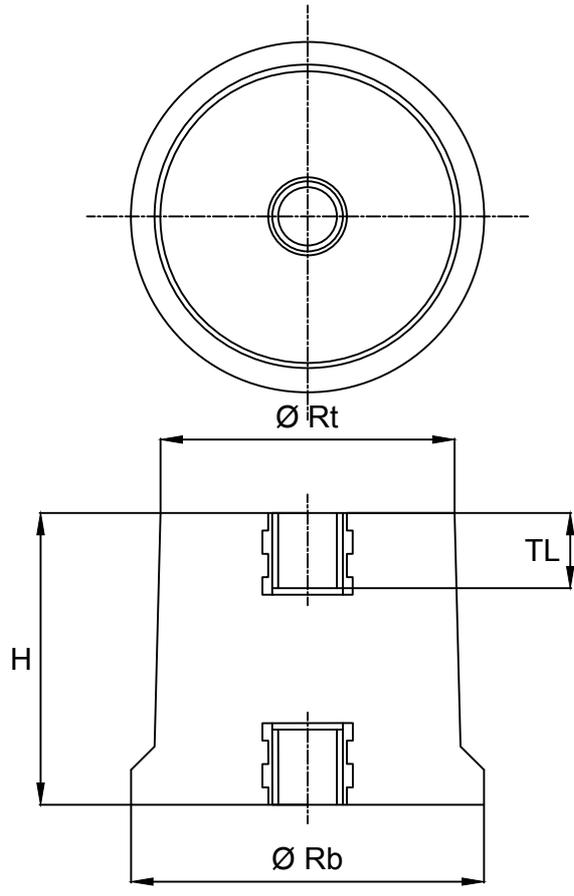


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ITI LIMITED  
BANGALORE-16

A4

SHEET:-1 OF 2		
ISSUE		APP.
01	DATE	MR
01	21-08-2024	



**1. Material :**

Body: DMC (Dough Moulding Compound)

Insert : Aluminium / Brass / Steel (Zinc Passivated) / Stainless Steel

2. Sample to be submitted along with catalogue/technical data sheet for approval before bulk procurement stage.

ALL DIMENSIONS ARE IN 'mm'

TOLERANCES TO RULING NO. 16

REF: ASCON 42U RACK

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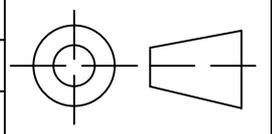
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DET.NO.	Height (H)	Rt Ø	Rb Ø	TL	Thread Size	Nominal voltage (AC/DC)
01	25	19	25	7	M6	1000/1400

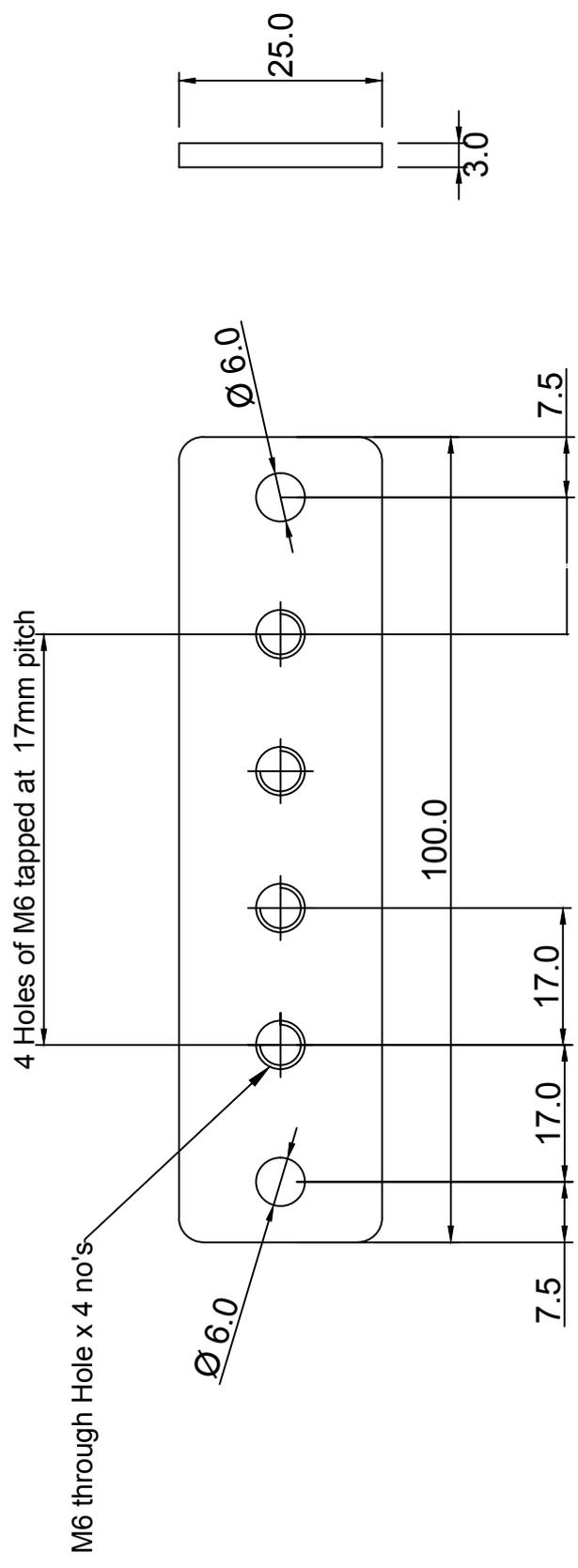
All Dimensions are in MM

**Conical Insulator- H-25mm**

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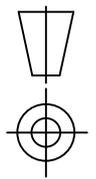


CODE	MATL.	SPEC.	FIN.	SPEC.	SHEET:-1 OF 2
	COPPER (ETP Copper)		TIN		ISSUE APP.
					01 DATE MAR
					13-08-2024



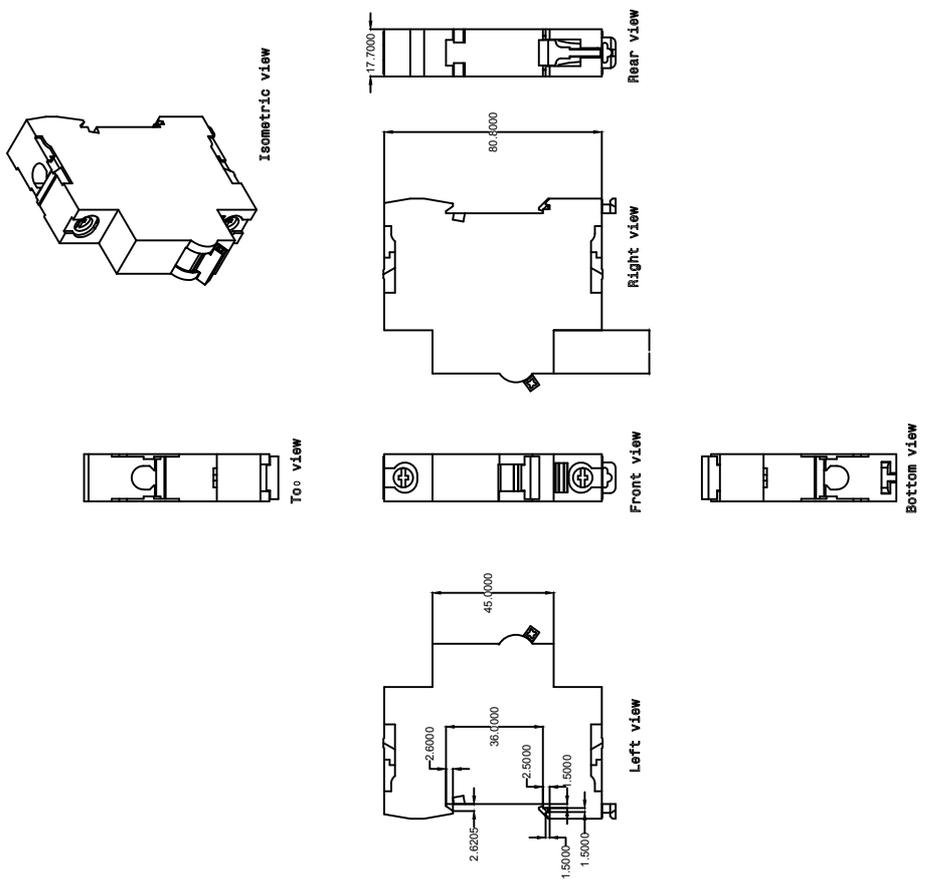
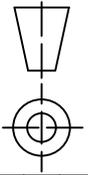
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DRN					Tin Plated Copper Bus Bar 100mm x 3mm x 25mm with M6 tap holes 04 nos
TRD.				APP.	
CHKD					
DC9A1104071A2INS					ITI LIMITED
					BANGALORE-16
					A4



Brand	Schneider Electric
Range	Acti9
Mfg. Part No.	A9N61515
Product name	Acti9 C60H-DC
Product or component type	Miniature circuit-breaker
Device application	Distribution
poles description	1P
Number of protected poles	1
[In] rated current	32 A at 25 °C
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu at 220 V DC conforming to EN 60947-2 10 kA Icu at 220 V DC conforming to IEC 60947-2 6 kA Icu at 250 V DC conforming to EN 60947-2 6 kA Icu at 250 V DC conforming to IEC 60947-2 20 kA Icu at 110 V DC conforming to EN 60947-2 20 kA Icu at 110 V DC conforming to IEC 60947-2
Network frequency	50/60 Hz
[Ue] rated operational voltage	250 V DC
[Ics] rated service breaking capacity	15 kA 75 % conforming to EN 60947-2 - 110 V DC 15 kA 75 % conforming to IEC 60947-2 - 110 V DC 4.5 kA 75 % conforming to EN 60947-2 - 250 V DC 4.5 kA 75 % conforming to IEC 60947-2 - 250 V DC 7.5 kA 75 % conforming to EN 60947-2 - 220 V DC 7.5 kA 75 % conforming to IEC 60947-2 - 220 V DC
[Uij] rated insulation voltage	500 V DC conforming to IEC 60947-2 500 V DC conforming to EN 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN 60947-2 6 kV conforming to IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
local signalling	ON/OFF indication
Mounting mode	Fixed
Mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	Top or bottom: standard
9 mm pitches	2
Net weight	0.128 kg Approx
Colour	White
Mechanical durability	20000 cycles
Electrical durability	3000 cycles L/R = 2 ms
Provision for padlocking	Padlockable

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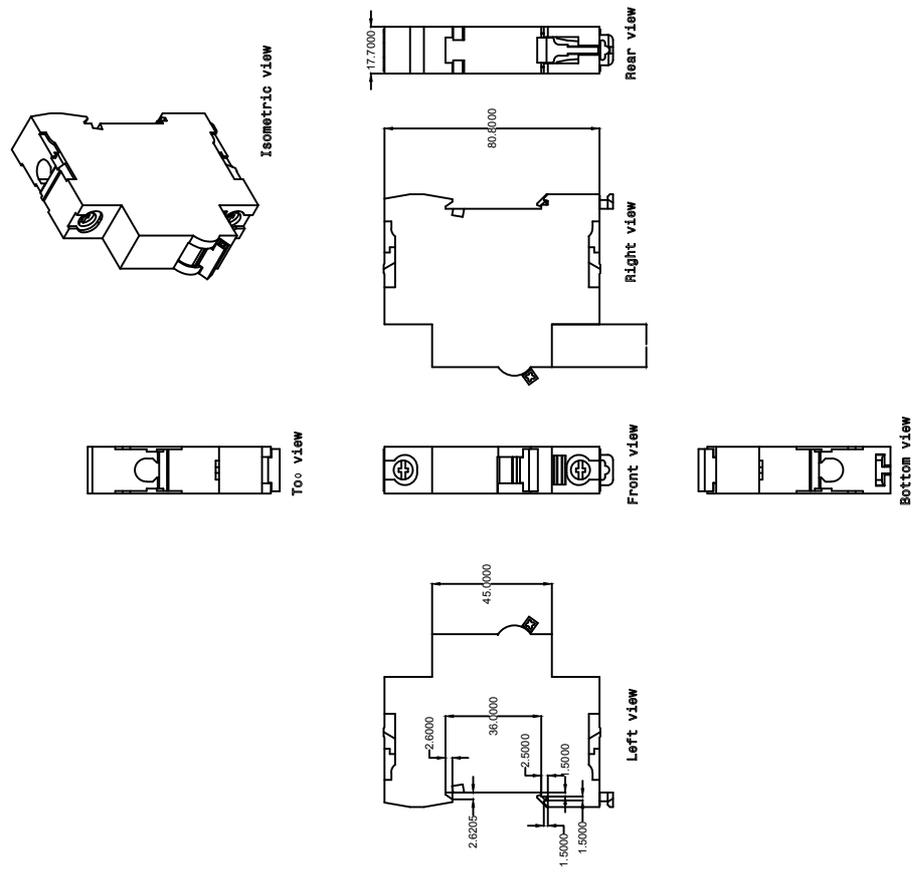
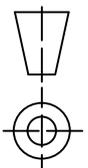


DC MCB-32A-1P- C Curved	
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CHKD	APP.
DC7F8032143E INS	



Brand	Schneider Electric
Range	Acti9
Mfg. Part No.	A9N61506
Product name	Acti9 C60H-DC
Product or component type	Miniature circuit-breaker
Device application	Distribution
poles description	1P
Number of protected poles	1
[In] rated current	6 A at 25 °C
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu at 220 V DC conforming to EN 60947-2
	10 kA Icu at 220 V DC conforming to IEC 60947-2
	6 kA Icu at 250 V DC conforming to EN 60947-2
	6 kA Icu at 250 V DC conforming to IEC 60947-2
	20 kA Icu at 110 V DC conforming to EN 60947-2
20 kA Icu at 110 V DC conforming to IEC 60947-2	
Network frequency	50/60 Hz
[Ue] rated operational voltage	250 V DC
[Ics] rated service breaking capacity	15 kA 75 % conforming to EN 60947-2 - 110 V DC
	15 kA 75 % conforming to IEC 60947-2 - 110 V DC
	4.5 kA 75 % conforming to EN 60947-2 - 250 V DC
	4.5 kA 75 % conforming to IEC 60947-2 - 250 V DC
	7.5 kA 75 % conforming to EN 60947-2 - 220 V DC
7.5 kA 75 % conforming to IEC 60947-2 - 220 V DC	
[U] rated insulation voltage	500 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	500 V DC conforming to EN 60947-2 6 kV conforming to EN 60947-2 6 kV conforming to IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
local signalling	ON/OFF indication
Mounting mode	Fixed
Mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	Top or bottom: standard
9 mm pitches	2
Net weight	0.128 kg Approx
Colour	White
Mechanical durability	20000 cycles
Electrical durability	3000 cycles L/R = 2 ms
Provision for padlocking	Padlocking

REF: ASCON 42U RACK  
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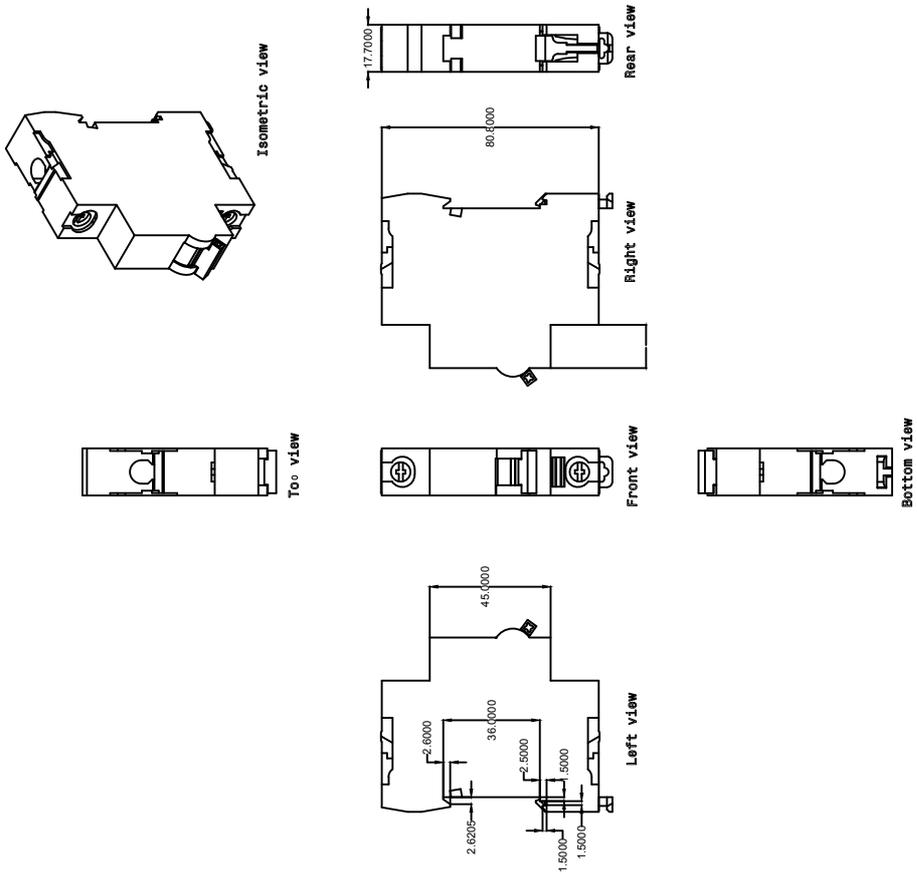


DC MCB-6A-1P-C Curve

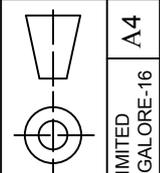
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CHKD	APP.

DC7F8006146E1NS

Brand	Schneider Electric
Range	Acti9
Mfg. Part No.	A9N61502
Product name	Acti9 C60H-DC
Product or component type	Miniature circuit-breaker
Device application	Distribution
poles description	1P
Number of protected poles	1
[In] rated current	2 A at 25 °C
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu at 220 V DC conforming to EN 60947-2 10 kA Icu at 220 V DC conforming to IEC 60947-2 6 kA Icu at 250 V DC conforming to EN 60947-2 6 kA Icu at 250 V DC conforming to IEC 60947-2 20 kA Icu at 110 V DC conforming to EN 60947-2 20 kA Icu at 110 V DC conforming to IEC 60947-2
Network frequency	50/60 Hz
[Ue] rated operational voltage	250 V DC
[Ics] rated service breaking capacity	15 kA 75 % conforming to EN 60947-2 - 110 V DC 15 kA 75 % conforming to IEC 60947-2 - 110 V DC 4.5 kA 75 % conforming to EN 60947-2 - 250 V DC 4.5 kA 75 % conforming to IEC 60947-2 - 250 V DC 7.5 kA 75 % conforming to EN 60947-2 - 220 V DC 7.5 kA 75 % conforming to IEC 60947-2 - 220 V DC
[Uj] rated insulation voltage	500 V DC conforming to IEC 60947-2 500 V DC conforming to EN 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN 60947-2 6 kV conforming to IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
local signalling	ON/OFF indication
Mounting mode	Fixed
Mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	Top or bottom: standard
9 mm pitches	2
Net weight	0.128 kg Approx
Colour	White
Mechanical durability	20000 cycles
Electrical durability	3000 cycles L/R = 2 ms
Provision for padlocking	Padlockable



REF: ASCON 42U RACK  
 W.O:  
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DRN	
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DC MCB-2A-1P-C Curve  
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**ANNEXURE-B- TERMS & CONDITIONS**

1. Scope of Work includes Supply of Items as mentioned.
2. Vendor shall ensure offer, supply as per above Make & part nos.
3. Sample to be submitted along with catalogue, technical data sheet for approval during enquiry stage, before bulk procurement stage.
4. In case of order, NABL certificate to be provided for Tensile and Shear strength.
5. **Payment Terms:** 100% after delivery with 60 days credit.
6. **Delivery Period:** 15 days from the Date of Contract Order.
7. Samples to be supplied for Approval before bulk order.
8. Disputes if any will be within the Jurisdiction of Bangalore, Karnataka State, India.
9. **Terms of price:** DAP, ITI Ltd Bangalore.
10. Duties & Taxes: if any may be indicated.
11. MSME certificate shall be submitted if applicable.
12. All offers should be complete with specification /catalogue (English only).
13. Validity: Quotations should be valid for a period of 180 days from the due date of tender. Once quotation is accepted and order is confirmed, the price must remain same till the completion of the order.
14. 3 invoices of the original should be submitted along with supply. The invoice must have ITI Item code, Make & Part Number.
15. **Inspection:** Inspection of goods at our work is final. Goods rejected will be returned on freight to pay basis. Packing & forwarding charges in respect of such consignment will be debited to your account.
16. Materials should be as per our specification and requirement only.
17. We reserve the right to accept or reject any or all offers and order part or full quantity, without assigning any reason.
18. The quote must be for the quantity specified in the the Bid document.
19. Specification and drawings must be complied as per this RFP.
20. Please specify your income tax account number and Name of I.T circle.
21. Liquidated Damages and risk purchase clauses: Time is the essence of contract and the materials against the order arising out of this enquiry must be delivered by the supplier according to the delivery schedule indicated in the purchase order. In case of any change, the supplier should inform us in advance and obtain approval to the revised delivery schedule should the supplier fail to deliver the material in full/ part thereof, we shall be entitled at our option either to recover from the supplier as agreed the liquidated damages and not as penalty, a sum equivalent to half percent of the contract price of the item per week of such delay or part thereof subject to maximum of 5% of the contract price of the item delayed or to terminate the contract in respect of balance quantity so delayed and purchase material elsewhere at the risk of supplier.
22. For Indigenous offers only:
  - a. Prices should always be quoted on FOR ITI Limited, Bangalore basis including suitable packing and unloading of materials at M/s ITI Limited, Bangalore.
  - b. Specify GST and other charges if any. In absence of these, the prices shall be treated as inclusive of all such taxes and other charges & no subsequent claims will be entertained.
23. Any clarifications regarding the tender can be obtained from below person.

SRINIVASA MURTHY T - Dy. MANAGER,  
ITI Limited, Bangalore Plant, Karnataka,  
Email: srinivas\_bgp@itiltd.co.in

**Note: Compliance to the Annexure – A and B from the Bidders on Letter Head is mandatory and to submitted along with the bid documents**

- a. Supply to be provided must be as per this GeM bid. Point- wise Compliance of this bid along with Annexure-A, Annexure-B and Buyer Added Bid Specific ATC (Additional Terms & Condition) must be signed and sealed by Competent Authority of the bidder and to be submit along with this Bid for technical evaluation.
- b. Buyer Added Bid Specific ATC will and GeM T&C will prevail.
- c. Failure to adhere to any of the above will disqualify the offer.
- d. In addition to General T&C of GeM, the GeM Contract/ Purchase Order will be governed by this GeM bid document along with buyer added bid specific ATC.