

Lima, 15 de octubre del 2021

Señores : **Ciencia Internacional**

Atención: **Srta. Cristina Suarez**  
**Logística**

Referencia: **Suministro de tablero eléctrico**  
**Requerimiento 207**

Estimada Srta.:

Atendiendo a su solicitud, nos es grato presentar nuestra oferta técnica.

## OFERTA TÉCNICA

| ITEM | QTY | DESCRIPCIÓN  |
|------|-----|--|
| 001  | 1   | <b>TD-TX</b><br><b>440VAC, 3F+Tierra, 3H, 60Hz, gabinete p/adosar NEMA12</b><br><b>De acuerdo a los datos proporcionados por el cliente</b>  |
|      |     | <b>Interruptor Principal</b>   |
| 1    |     | ITM MCCB 3x100A (reg.[0.7-1.0] In) - XT1B160-16A-3P-TMD - 25kA@240Vac, 18kA@415Vac, 15kA@440Vac - ABB  |
|      |     | <b>Interruptores derivados</b>   |
| 6    |     | ITM MCCB 3x50A - A1B 125 TMF 25kA@240Vac, 18kA@380Vac, 15kA@440Vac, 5kA@250Vdc - ABB   |
|      |     | <b>Panel Barras Cu</b>   |
| 1    |     | Panel de 18 polos - 25 x 5mm. Cu electrolítico   |
| 1    |     | Barra de Tierra  |
| 1    |     | Gabinete para adosar, uso interior NEMA 12, (H)800 x (W)600 x (F)200 mm. Fabricación nacional<br>Plancha metalica galvanizada de 1,5mm, limpieza quimica, fosfatizado, pintura base epoxica, acabado color gris tráfico RAL 7042, de aplicación electrostática. Incluye mandil abisagrado. |
| 1    |     | Embalaje local cartón y vinifil para tablero adosado   |

### NOTAS GENERALES :

- 1.- El alcance de nuestra oferta comprende estrictamente al equipamiento tal y como se muestra en el presupuesto por el suministro de los tableros.
- 2.- Cualquier equipo o servicio que sea requerido por el cliente y que no se indique en el presupuesto sera cotizado de manera adicional.

|                      |  |                      |  |
|----------------------|--|----------------------|--|
| <b>COTIZACIÓN N°</b> | <b>PL21160</b>   | <b>FECHA:</b>        | <b>OCTUBRE 15. 2021</b>  |
| CLIENTE:             | Ciencia Internacional  | <b>SOLICITUD N°:</b> | <b>Req. 207</b>  |
| PROYECTO / REF.:     | Requerimiento 207  | CORREO e:            | <a href="mailto:logistica@cienciainternacional.org">logistica@cienciainternacional.org</a> |
| RUC CLIENTE:         | 20137290180  | COMPRADOR:           | Srta. Cristina Suarez  |
| TELÉFONO / TELEFAX:  | 051(1)- 317-2313 Anexo:28 / 948-019777                                       | ASESOR DE VENTAS:    | Ing. Fredy Layme   |
| DIRECCIÓN:           | AV. República de Panamá N° 5768 Urb. San Antonio<br>Lima - Lima - Miraflores | RECEPCIÓN:           | 14-oct   |

| ITEM         | DESCRIPCIÓN DE PRODUCTO  | CANT  | P UNITARIO USD | P SUBTOTAL USD |
|--------------|--|---|----------------|----------------|
| 001          | TAG TD-TX - 06 a 09 SEMANAS -<br>440VAC, 3F+Tierra, 3H, 60Hz, gabinete p/adosar NEMA12 | 1   | 1,191.00       | 1,191.00       |
| <b>Nota:</b> |  | <b>VALOR DE VENTA TOTAL DESCONTADO</b> 1,191.00<br><b>IGV 18%</b> 214.38<br><b>VALOR TOTAL</b> 1,405.38 |                |                |

#### CONDICIONES DE VENTA

- 1.- **MONEDA:** DOLARES AMERICANOS
- 2.- **FORMA DE PAGO:**  
50 % con la orden de compra y el saldo es a contraentrega
- 3.- **TIEMPO DE ENTREGA:**  
De 06 a 09 SEMANAS  
Después de recibida la orden de compra, efectuado el pago respectivo y aprobados los planos de fabricación.
- 4.- **VALIDEZ DE LA OFERTA:**  
30 días calendario.
- 5.- **GARANTÍA DE LOS PRODUCTOS:**  
12 meses, unicamente por defectos de fábrica,  
No considera mala operación del producto.
- 6.- **LUGAR DE ENTREGA:**  
Almacen de tránsito del cliente en la ciudad de Lima.

Cta. Cte. Banco de Crédito (Dólares): 193 – 1534907 – 1 – 19  
 Cta. Cte. Banco de Crédito (Soles): 191 – 1717445 – 0 – 28  
 Cta. Interbancaria Banco de Crédito (Dólares): 002 - 193 – 001534907119 – 19  
 Cta. Interbancaria Banco de Crédito (Soles): 002 - 191 – 001717445028 – 52

#### NOTAS:

(1) Para cualquier información adicional contactarse con el Ing. Fredy Layme (981 138 807)

PRODUCT-DETAILS

# A1B 125 TMF 50-500 3p F F

## A1B 125 TMF 50-500 3p F F



### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | A1B 125 TMF 50-500 3p F F   |
| Product ID            | 1SDA066702R1  |
| EAN                   | 8015644693985   |
| Catalog Description   | A1B 125 TMF 50-500 3p F F   |
| Long Description      | C.BREAKER FORMULA A1B 125 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMF R 50-500 A |

### Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 8015644693985 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

### Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 76.2 mm  |
| Product Net Height         | 130 mm   |
| Product Net Depth / Length | 60 mm    |
| Product Net Weight         | 0.787 kg |

### Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 136.5 mm      |
| Package Level 1 Height         | 124 mm        |
| Package Level 1 Depth / Length | 110.5 mm      |
| Package Level 1 Gross Weight   | 0.8 kg        |
| Package Level 1 EAN            | 8015644693985 |

## Additional Information

|   |  |
|---|--|
| Electrical Durability                                       | 1500 cycle   |
| Mechanical Durability                                       | Nr. Operations 8500 cycle  |
| Number of Poles   | 3  |
| Opening Time  | CB with SOR 15 ms<br>CB with UVR 15 ms   |
| Power Loss  | at Rated Operating Conditions per Pole 5.5 W   |
| Product Main Type   | SACE FORMULA   |
| Product Name  | Moulded Case Circuit Breaker   |
| Product Type  | CB   |
| Rated Current ( $I_n$ )                                     | Main Circuit 50 A  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 6 kV   |
| Rated Insulation Voltage ( $U_i$ )                          | 690 V  |
| Rated Operational Voltage                                   | 550 V AC<br>250 V DC   |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (240 V AC) 12.5 kA<br>(380 V AC) 9 kA<br>(415 V AC) 5 kA<br>(440 V AC) 5 kA<br>(480 V AC) 5 kA<br>(500 V AC) 2.5 kA<br>(250 V DC) 2 Poles in Series 2.5 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (240 V AC) 25 kA<br>(380 V AC) 18 kA<br>(415 V AC) 18 kA<br>(440 V AC) 15 kA<br>(480 V AC) 10 kA<br>(500 V AC) 5 kA<br>(250 V DC) 5 kA                     |
| Rated Uninterrupted Current ( $I_u$ )                       | 125 A  |
| Release   | TMF  |
| Release Type  | TM   |
| Short-Circuit Performance Level                             | B  |
| Standards   | IEC  |
| Sub-type  | A1   |
| Terminal Connection Type                                    | Front  |
| Version   | F  |

## Certificates and Declarations (Document Number)

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SDC210032D0204 |
| Declaration of Conformity - CE    | 9AKK106713A5519 |
| Environmental Information         | 1SDL000183R0001 |

### Classifications

|                            |  |
|----------------------------|--|
| ETIM 4                     | EC000228 - Power circuit-breaker for trafo/generator/installation prot.      |
| ETIM 5                     | EC000228 - Power circuit-breaker for trafo/generator/installation prot.      |
| ETIM 6                     | EC000228 - Power circuit-breaker for trafo/generator/installation prot.      |
| ETIM 7                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| Object Classification Code | Q  |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm)                   |

### Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Formula DSA



PRODUCT-DETAILS

# XT1B 160 TMD 100-1000 3p F F

# XT1B 160 TMD 100-1000 3p F F



## Información General

|                       |   |
|-----------------------|---|
| Extended Product Type | XT1B 160 TMD 100-1000 3p F F  |
| Product ID            | 1SDA066807R1  |
| EAN                   | 8015644694487   |
| Catalog Description   | XT1B 160 TMD 100-1000 3p F F  |
| Long Description      | C.BREAKER TMAX XT1B 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 100-1000 A |

## Clasificación

|                        |               |
|------------------------|---------------|
| E-Number (Finland)     | 3640495       |
| EAN                    | 8015644694487 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

## Dimensiones

|                            |          |
|----------------------------|----------|
| Product Net Width          | 76.2 mm  |
| Product Net Height         | 130 mm   |
| Product Net Depth / Length | 70 mm    |
| Product Net Weight         | 1.077 kg |

### Información de Embalaje

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 128 mm        |
| Package Level 1 Height         | 135 mm        |
| Package Level 1 Depth / Length | 143 mm        |
| Package Level 1 Gross Weight   | 1.134 kg      |
| Package Level 1 EAN            | 8015644694487 |

### Ambiente

|             |  |
|-------------|--|
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
|-------------|--|

### Información Adicional

|   |  |
|---|--|
| Circuit Breaker Type to be Associated                       | Power Distribution   |
| Current Type  | AC/DC  |
| Electrical Durability                                       | 120 cycles per hour<br>8000 cycle  |
| Mechanical Durability                                       | Nr. Operations 240 cycles per hour<br>Nr. Operations 25000 cycle   |
| Number of Poles   | 3  |
| Opening Time  | CB with SOR 15 ms<br>CB with UVR 15 ms   |
| Order Multiple  | 1 piece  |
| Power Loss  | at Rated Operating Conditions per Pole 7 W   |
| Product Main Type   | SACE Tmax XT   |
| Product Name  | Moulded Case Circuit Breaker   |
| Product Type  | CB   |
| Rated Current ( $I_n$ )                                     | 100 A  |
| Rated Frequency (f)   | 50 / 60 Hz   |
| Rated Voltage ( $U_r$ )                                     | 690 V  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 8 kV   |
| Rated Instantaneous Short-Circuit Current Setting ( $I_i$ ) | 1000 A   |
| Rated Insulation Voltage ( $U_i$ )                          | 800 V  |
| Rated Operational Voltage                                   | 690 V AC<br>500 V DC   |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (220 V AC) 25 kA<br>(230 V AC) 25 kA<br>(240 V AC) 25 kA<br>(380 V AC) 18 kA<br>(415 V AC) 18 kA<br>(440 V AC) 11.25 kA<br>(500 V AC) 8 kA<br>(525 V AC) 6 kA<br>(690 V AC) 3 kA<br>(250 V DC) 2 Poles in Series 18 kA<br>(500 V DC) 3 Poles in Series 18 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (220 V AC) 25 kA<br>(230 V AC) 25 kA<br>(240 V AC) 25 kA<br>(380 V AC) 18 kA<br>(415 V AC) 18 kA<br>(440 V AC) 15 kA<br>(500 V AC) 8 kA  |

(525 V AC) 6 kA  
 (690 V AC) 3 kA  
 (250 V DC) 2 Poles in Series 18 kA  
 (500 V DC) 3 Poles in Series 18 kA

|   |                        |
|---|------------------------|
| Rated Uninterrupted Current (I <sub>u</sub> ) | 160 A                  |
| Release                                       | TMD                    |
| Release Type                                  | TM                     |
| Setting Range                                 | 70...100 A             |
| Short-Circuit Performance Level               | B                      |
| Standards                                     | IEC                    |
| Sub-type                                      | XT1                    |
| Terminal Connection Type                      | Fixed Circuit-Breakers |
| Version                                       | F                      |

### Certificados y Declaraciones (Número de Documento)

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5532                    |
| Environmental Information         | 1SDL000190R0001                    |
| GL Certificate                    | 1SDL000163R0103                    |
| Instructions and Manuals          | 1SDH000719R0001                    |
| LR Certificate                    | 1SDL000163R0100                    |

### Clasificaciones

|                            |  |
|----------------------------|--|
| ETIM 4                     | EC000228 - Power circuit-breaker for trafo/generator/installation prot.      |
| ETIM 5                     | EC000228 - Power circuit-breaker for trafo/generator/installation prot.      |
| ETIM 6                     | EC000228 - Power circuit-breaker for trafo/generator/installation prot.      |
| ETIM 7                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| Object Classification Code | Q  |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm)                   |

### Categorías

Productos y sistemas de baja tensión → Interruptores automáticos → Interruptores automáticos en caja moldeada → Tmax XT



