

# MINI-INTERRUPTOR DE PROTECCIÓN AUTOMÁTICA ENCHUFABLE - TIPO IEC (mcb «plug ing» - Mini Circuit Breaker)

## CARACTERÍSTICAS TÉCNICAS

1. Tipo: mini-interruptor automática (mcb-mini-circuit breaker)

2. Marca: MÉRNÖK

**MÉRNÖK**  
ELECTRIC

3. Referencia: ME-10

4. Montaje: Enchufable (plug-in)



5. Operación: Curva Tipo C (5 a 10 In)

6. Voltaje nominal:  $U_e=230/400(240/415)V-(1P)$   
 $U_e= 400(415)V-(2P, 3P, 4P)$

7. Polos: 1P – 2P – 3P

8. Clase: IP 20

9. Corriente nominal: 6 A – 10 A – 15 A – 20 A – 25 A –  
30 A – 40 A – 50 A – 60 A

10. Frecuencia: 50/60 Hz

11. Indicación visual: ON / OFF – Rojo/Verde

11. Corrientes de corte:  $I_{cn}=10\text{ kA}$  ;  $I_{cs}=7,5\text{ kA}$

12. Vida útil eléctrica:

4.000 operaciones (240 operaciones/hora para  $I_n$  hasta 30 A)

4.000 operaciones (120 operaciones/hora para  $I_n$  de 40 a 60 A)

13. Vida útil mecánica: 20.000 operaciones (240 operaciones/hora)

14. Normas: IEC60898-1:2003 and A1+A11+A12+A13

15. Certificado SEMKO Referencia No. 1409969

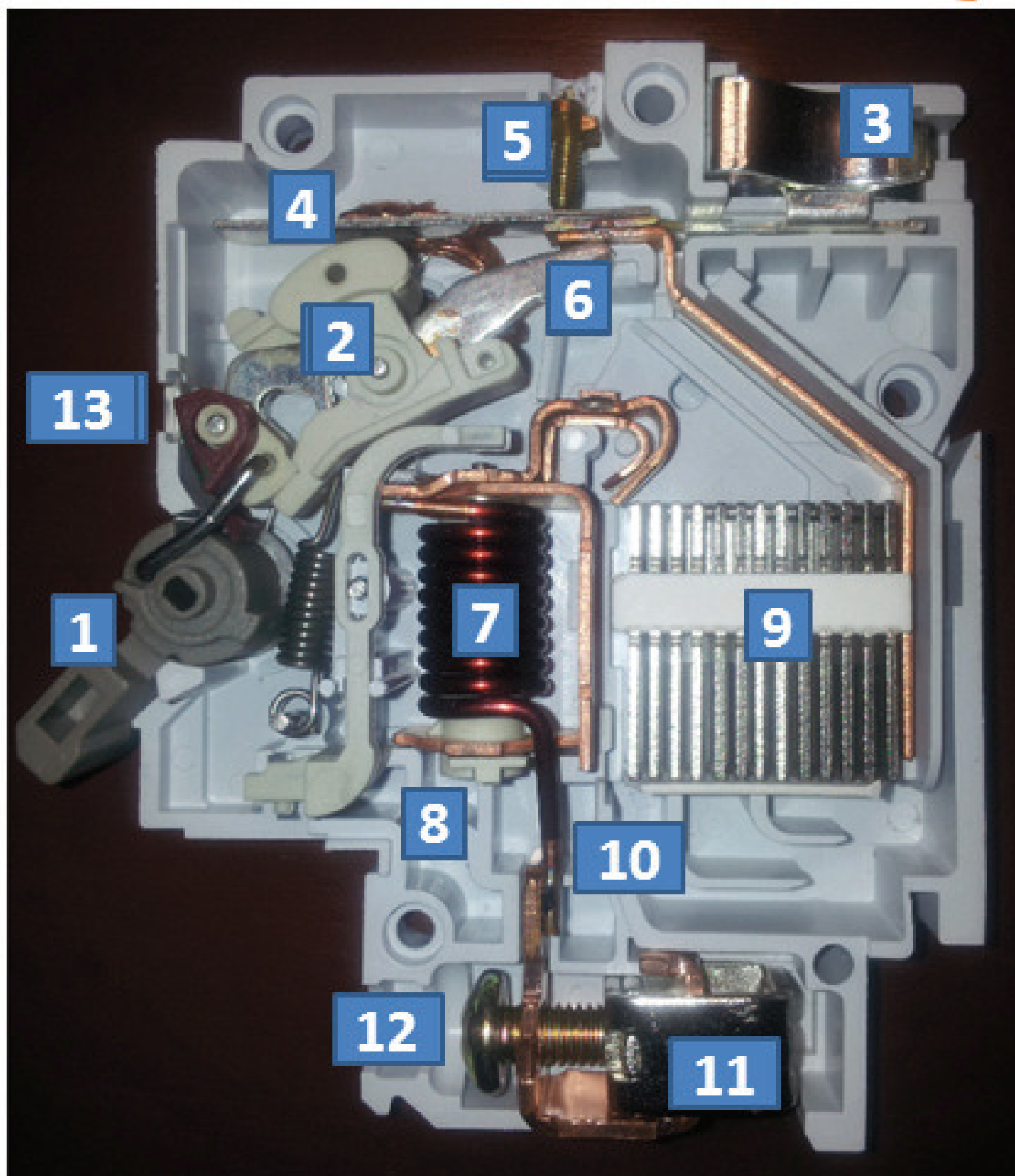


**INDUSTRIAL SOLUTIONS COLOMBIA S.A.**  
ENTREGANDO CON SERVICIO, EQUIPOS DE CALIDAD

# MINI-INTERRUPTOR DE PROTECCIÓN AUTOMÁTICA ENCHUFABLE - TIPO IEC (mcb «plug in» - Mini Circuit Breaker)

**MÉRNÖK**  
ELECTRIC

IDENTIFICACIÓN DE PARTES



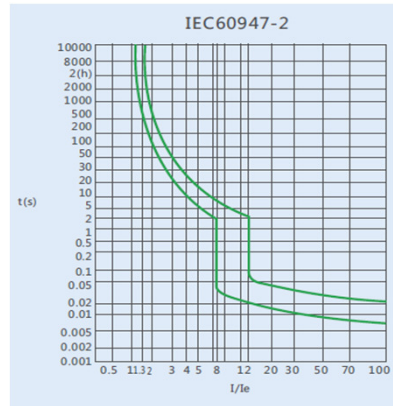
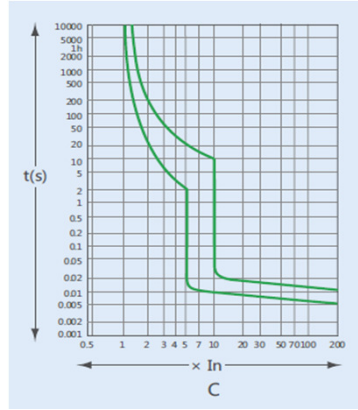
- |                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| 1. Palanca                                    | 8. Embolo – disparo por cortocircuito   |
| 2. Mecanismo de accionamiento                 | 9. Cámara extinción de arco             |
| 3. Terminal entrada «plug-in»                 | 10. Contacto fijo                       |
| 4. Elemento bimetálico – protección térmica   | 11. Terminal salida                     |
| 5. Tornillo ajuste fabrica protección térmica | 12. Tornillo fijación cable             |
| 6. Contacto móvil                             | 13. Indicación visual de estado ON- OFF |
| 7. Solenoide - protección magnética           |                                         |

**Mini-Interruptores Automáticos - Aplicaciones Residencial y Comercial**  
**Montaje: tipo Plug-In (Enchufable) (MCB - Mini Circuit Breaker)**

Certificado INTERTEK SEMKO AB  
 Conforme a IEC60898



| Referencia Fábrica                                     | Corriente (A) | Cap de ruptura 220 Vac |
|--------------------------------------------------------|---------------|------------------------|
| <b>Monopolares - 230/400 V - Icn=10 kA (IEC 60898)</b> |               |                        |
| ME-10-1P10C                                            | 1x10          | 10 kA                  |
| ME-10-1P15C                                            | 1x15          | 10 kA                  |
| ME-10-1P20C                                            | 1x20          | 10 kA                  |
| ME-10-1P30C                                            | 1x30          | 10 kA                  |
| ME-10-1P40C                                            | 1x40          | 10 kA                  |
| ME-10-1P50C                                            | 1x50          | 10 kA                  |
| <b>Bipolares - 240/415 V - Icn=10 kA (IEC 60898)</b>   |               |                        |
| ME-10-2P15C                                            | 2x15          | 10 kA                  |
| ME-10-2P20C                                            | 2x20          | 10 kA                  |
| ME-10-2P30C                                            | 2x30          | 10 kA                  |
| ME-10-2P40C                                            | 2x40          | 10 kA                  |
| ME-10-2P50C                                            | 2x50          | 10 kA                  |
| ME-10-2P60C                                            | 2x60          | 10 kA                  |
| <b>Tripolares - 240/415 V - Icn=10 kA (IEC 60898)</b>  |               |                        |
| ME-10-3P15                                             | 3x1           | 10 kA                  |
| ME-10-3P20C                                            | 3x2           | 10 kA                  |
| ME-10-3P30C                                            | 3x3           | 10 kA                  |
| ME-10-3P40C                                            | 3x4           | 10 kA                  |
| ME-10-3P50C                                            | 3x6           | 10 kA                  |
| ME-10-3P60C                                            | 3x10          | 10 kA                  |



**Intertek**

# Certificate

for European Product Safety

Reference No: 1403019398/A

**Circuit-breakers for overcurrent protection**

Type designation: ME-10

Certificate holder: Industrial Solutions Colombia S.A. Calle 25a No. 43 B 89 Lt. 1001, Medellín, COLOMBIA

The product complies with the standard(s): EN 60898-1:2003 and A11:11+A12:14:13

Date of expiry: 31 July 2019

EU Directive information: The product satisfies the provisions for CE marking according to the Low Voltage Directive 2006/95/EC.

Additional information in Appendix:

Certification Body: Intertek Semko AB, Product Certification Place: Västerås - Stockholm

Signed: *[Signature]* Date: 31 July 2014 Page 1 of 4

The certificate is issued in accordance with the terms and conditions set out in the Appendix.

Test Report issued under the responsibility of:

**Intertek**

**TEST REPORT**  
**IEC/EN 60898-1**  
**Circuit-breakers for over current protection for household and similar installations**

Report Reference No.: 1403019398/A\_001  
 Date of issue: July 22, 2014  
 Total number of pages: 92

CB/CCA Testing Laboratory: Intertek Testing Services Shanghai  
 Address: Building No.86, 1198 Qingzhou Road (North), Shanghai 200233, China

Applicant's name: Industrial Solutions Colombia S.A.  
 Address: Calle 25a No.43 B 89 Lt. 1001, Medellín, Colombia

Test specification:  
 Standard:  IEC 60 898-1:2002 (1st Edition) + A1:2002 + A2:2003 and/or EN 60 898-1:2003 + A1:2004 + A11:2005+A12: 2008+A13:2012  
 Test procedure: CB+S  
 Non standard test method: N/A

Test Report Form No.: IECEN60898\_1C  
 Test Report Form(s) Originator: OVE  
 Master TRF: Dated 2007-12

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 This report is not valid as a CCA Test Report unless signed by an approved CCA Testing Laboratory and appended to a CCA Test Certificate issued by an NCB in accordance with CCA.

