atex delvalle®
HAZARDOUS AREA SOLUTIONS

atex@atexdelvalle.com | www.atexdelvalle.com

EX CIRCUIT BREAKERS MODULE

Delvalle, wide experience in manufacturing solutions for hazardous area

WE PUT AT YOUR DISPOSAL

We offer over **45 years** providing hazardous area **solutions** to demanding customers who require very specific characteristics and behaviour according to the sector and their needs.

WHEREVER YOU GO

We are committed to working closely with our customers, providing them with exceptional service and offering an advanced and **extensive range of hazardous area products** with very competitive prices.

CONSULTING & ENGINEERING

Atex Delvalle adapts to our clients' needs by offering hazardous-area systems.
Atex-delvalle are the leading certified assembler of Ex junction boxes, our **customized services, experienced design** and drafting 3D support.

EU **100%**
Diseñado y fabricado íntegramente en España
Entirely designed and manufactures in Spain

HIGH STANDARD OF QUALITY AND SERVICES

We only use materials provided by companies who offer the very highest quality, suitable and certified products.
Our success is due to **top quality** assurance:
ISO 9001, SGS, UL, TÜV, ISO 14000, Ohsas 1800, Atex , IECEx.

CONTACT US

Confidentiality, reliability & quality

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+34 945 601 381

ALSO ONLINE

Please contact our technical sales department.

A team of professionals with high experience and ability to solve all your queries.

Zones 1 and 2

EX CIRCUIT BREAKERS MODULE

Examples

They Are Designed for Rated Currents of 0.5/40A and Can Switch 6 or 10 kA

Circuit breakers that provide reliable protection for conductors in hazardous areas offers a variety of different circuit breakers designed for specific intended purposes in hazardous areas, each and every one of which provides outstanding protection against overloading and short-circuiting.
Delvalle produces various types of circuit breaker, which protect your systems against overloading and short-circuiting. They are designed for rated currents of 0.5-40A and can switch 6 or 10 kA.

FOR MORE INFORMATION CLICK HERE

EX CIRCUIT BREAKERS MODULE

TECHNICAL DATA

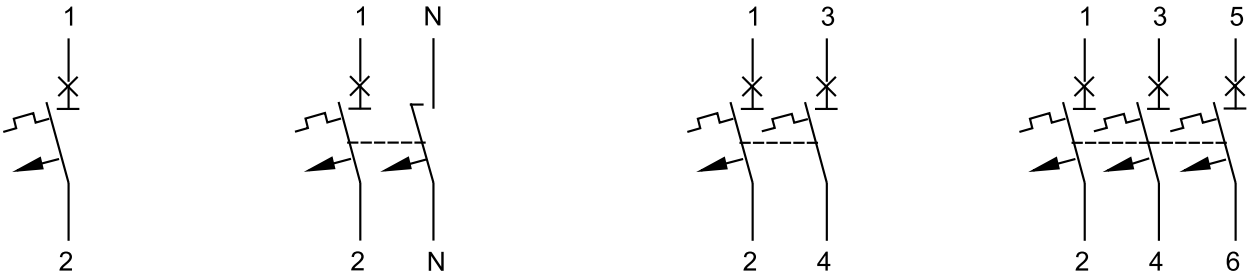
- Zones 1 and 2.
- Rated voltage: 230V / 400V, 50 / 60Hz; 250V DC.
- Rated current: Max. 40A.
- Rated ON/OFF capacity: 6kA, 10kA.
- Trip character: C, D characteristic curve.
- Aux.contact: 250V/400V, 50/60Hz, 4A; 110V DC 0.5A.
- Terminals:
  - Main contacts 1 - 10mm² (6 - 10mm² used in connection with compression lug).
  - Auxiliary contact 1 - 2.5mm².
- Material of enclosure: unsaturated resin.

Nº POLES	1P 1P+N	2P	3P	4P 3P+N
DIMENSION	1	2	3	4
WEIGHT	0,85kg	1,07kg	1,43kg	1,90kg

CERTIFICATES

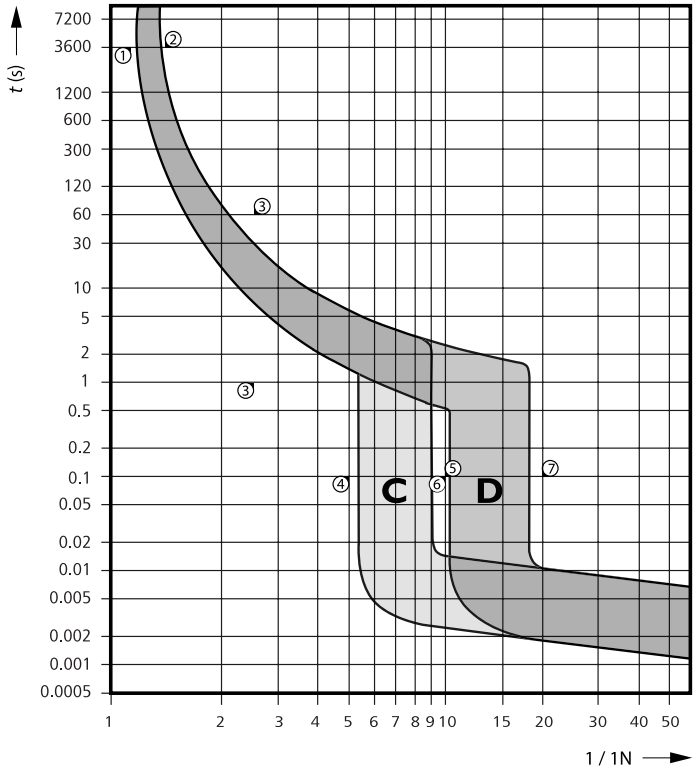
- Certificates number:
  - CML 19ATEX1299U
  - IECEx CML 19.0084U
- Type protection:
  - II2G Ex db eb IIC Gb
- Standard:
  - Directive 2014/34/EU
  - EN IEC 60079-0:2018
  - EN 60079-1:2014
  - EN IEC 60079-7:2015+A1:2018
  - IEC 60079-0:2017
  - IEC 60079-1:2014-06
  - IEC 60079-7:2017
- Ambient temperature:
  - -20°C <Ta<+60°C (IIC)
  - -40°C <Ta<+60°C (IIB)
- Operating temperature:
  - -20°C <Ta<+110°C (IIC)
  - -40°C <Ta<+110°C (IIB)

ELECTRICAL DIAGRAM



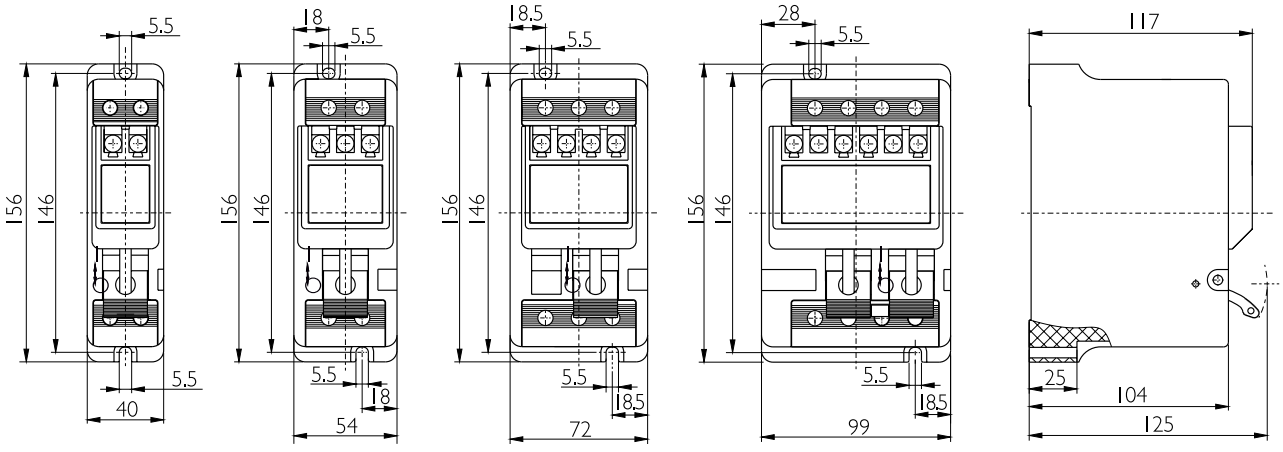
EX CIRCUIT BREAKERS MODULE

TRIP CURVE (Ambient Temperature: 30°C)



TRIP CHARACTERISTIC IEC/EN60898-1	
①	Rated non-trippig current Int=1.13 IN:t>1h
②	Rated trippig current It=1.45 IN:t<1h
③	2.55 IN:t=1-60 s (IN≤32A) t=1-120 s (IN≤32A)
④	C 5 IN:t>0.1s
⑤	Curve 10 IN:t<0.1s
⑥	D 10 IN:t>0.1s
⑦	Curve 20 IN:t<0.1s

PLAN AND DIMENSIONS



SIZE 1 SIZE 2 SIZE 3 SIZE 4

DIMENSIONS	NUMBER OF POLES
SIZE 1	IP IP+N
SIZE 2	2P IP + Auxiliary contact
SIZE 3	3P 2P + Auxiliary contact
SIZE 4	3P + N 4P 3P + Auxiliary contact 4P + Auxiliary contact

EX CIRCUIT BREAKERS MODULE

REFERENCES

Reference configuration. Examples: CB05A/1P/C/6, CB10A/1P+N/D/6 or **CB32/4P/C/6/NONC**.

1	+	2	+	3	+	4	+	5	+	6
Code		Rated Current		Number of Poles		Trip Character		Rated ON/OFF Capacity		Auxiliary Contacts
		05: 0.5A **1**: 1A **2**: 2A **3**: 3A **4**: 4A **6**: 6A **10**: 10A **16**: 16A **20**: 20A **25**: 25A **32**: 32A **40**: 40A		**1P** **1P+N** **2P** **3P** **3P+N** **4P**		**C** **D**		**6**: 6 KA **10**: 10 KA		**NONC**: NONC **No Auxiliary Contact**: _
CB		32	/	4P	/	C	/	6	/	NONC

REFERECES EX CIRCUIT BREAKER MODULE 1P S/AUXILIARY	
REFERENCE	DESCRIPTION
CB05A/1P/_/~	EX CIRCUIT BREAKER MODULE 0,5A 1P CURVE _ ~kA
CB1A/1P/_/~	EX CIRCUIT BREAKER MODULE 1A 1P CURVE _ ~kA
CB2A/1P/_/~	EX CIRCUIT BREAKER MODULE 2A 1P CURVE _ ~kA
CB3A/1P/_/~	EX CIRCUIT BREAKER MODULE 3A 1P CURVE _ ~kA
CB4A/1P/_/~	EX CIRCUIT BREAKER MODULE 4A 1P CURVE _ ~kA
CB6A/1P/_/~	EX CIRCUIT BREAKER MODULE ~A 1P CURVE _ ~kA
CB10A/1P/_/~	EX CIRCUIT BREAKER MODULE 10A 1P CURVE _ ~kA
CB16A/1P/_/~	EX CIRCUIT BREAKER MODULE 1~A 1P CURVE _ ~kA
CB20A/1P/_/~	EX CIRCUIT BREAKER MODULE 20A 1P CURVE _ ~kA
CB25A/1P/_/~	EX CIRCUIT BREAKER MODULE 25A 1P CURVE _ ~kA
CB32A/1P/_/~	EX CIRCUIT BREAKER MODULE 32A 1P CURVE _ ~kA
CB40A/1P/_/~	EX CIRCUIT BREAKER MODULE 40A 1P CURVE _ ~kA
Replace "_" of the reference with "C" or "D", to choose trip curve Replace "~" of the reference with "6" or "10", to choose rated capacity	

REFERECES EX CIRCUIT BREAKER MODULE 1P+N S/AUXILIARY	
REFERENCE	DESCRIPTION
CB05A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 0,5A 1P+N CURVE _ ~kA
CB1A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 1A 1P+N CURVE _ ~kA
CB2A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 2A 1P+N CURVE _ ~kA
CB3A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 3A 1P+N CURVE _ ~kA
CB4A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 4A 1P+N CURVE _ ~kA
CB6A/1P+N/_/~	EX CIRCUIT BREAKER MODULE ~A 1P+N CURVE _ ~kA
CB10A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 10A 1P+N CURVE _ ~kA
CB16A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 1~A 1P+N CURVE _ ~kA
CB20A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 20A 1P+N CURVE _ ~kA
CB25A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 25A 1P+N CURVE _ ~kA
CB32A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 32A 1P+N CURVE _ ~kA
CB40A/1P+N/_/~	EX CIRCUIT BREAKER MODULE 40A 1P+N CURVE _ ~kA
Replace "_" of the reference with "C" or "D", to choose trip curve Replace "~" of the reference with "6" or "10", to choose rated capacity	

REFERECES EX CIRCUIT BREAKER MODULE 2P S/AUXILIARY	
REFERENCE	DESCRIPTION
CB05A/2P/_/~	EX CIRCUIT BREAKER MODULE 0,5A 2P CURVE _ ~kA
CB1A/2P/_/~	EX CIRCUIT BREAKER MODULE 1A 2P CURVE _ ~kA
CB2A/2P/_/~	EX CIRCUIT BREAKER MODULE 2A 2P CURVE _ ~kA
CB3A/2P/_/~	EX CIRCUIT BREAKER MODULE 3A 2P CURVE _ ~kA
CB4A/2P/_/~	EX CIRCUIT BREAKER MODULE 4A 2P CURVE _ ~kA
CB6A/2P/_/~	EX CIRCUIT BREAKER MODULE ~A 2P CURVE _ ~kA
CB10A/2P/_/~	EX CIRCUIT BREAKER MODULE 10A 2P CURVE _ ~kA
CB16A/2P/_/~	EX CIRCUIT BREAKER MODULE 1~A 2P CURVE _ ~kA
CB20A/2P/_/~	EX CIRCUIT BREAKER MODULE 20A 2P CURVE _ ~kA
CB25A/2P/_/~	EX CIRCUIT BREAKER MODULE 25A 2P CURVE _ ~kA
CB32A/2P/_/~	EX CIRCUIT BREAKER MODULE 32A 2P CURVE _ ~kA
CB40A/2P/_/~	EX CIRCUIT BREAKER MODULE 40A 2P CURVE _ ~kA
Replace "_" of the reference with "C" or "D", to choose trip curve Replace "~" of the reference with "6" or "10", to choose rated capacity	

REFERECES EX CIRCUIT BREAKER MODULE 3P S/AUXILIARY	
REFERENCE	DESCRIPTION
CB05A/3P/_/~	EX CIRCUIT BREAKER MODULE 0,5A 3P CURVE _ ~kA
CB1A/3P/_/~	EX CIRCUIT BREAKER MODULE 1A 3P CURVE _ ~kA
CB2A/3P/_/~	EX CIRCUIT BREAKER MODULE 2A 3P CURVE _ ~kA
CB3A/3P/_/~	EX CIRCUIT BREAKER MODULE 3A 3P CURVE _ ~kA
CB4A/3P/_/~	EX CIRCUIT BREAKER MODULE 4A 3P CURVE _ ~kA
CB6A/3P/_/~	EX CIRCUIT BREAKER MODULE ~A 3P CURVE _ ~kA
CB10A/3P/_/~	EX CIRCUIT BREAKER MODULE 10A 3P CURVE _ ~kA
CB16A/3P/_/~	EX CIRCUIT BREAKER MODULE 1~A 3P CURVE _ ~kA
CB20A/3P/_/~	EX CIRCUIT BREAKER MODULE 20A 3P CURVE _ ~kA
CB25A/3P/_/~	EX CIRCUIT BREAKER MODULE 25A 3P CURVE _ ~kA
CB32A/3P/_/~	EX CIRCUIT BREAKER MODULE 32A 3P CURVE _ ~kA
CB40A/3P/_/~	EX CIRCUIT BREAKER MODULE 40A 3P CURVE _ ~kA
Replace "_" of the reference with "C" or "D", to choose trip curve Replace "~" of the reference with "6" or "10", to choose rated capacity	

REFERECES EX CIRCUIT BREAKER MODULE 4P S/AUXILIARY	
REFERENCE	DESCRIPTION
CB05A/4P/_/~	EX CIRCUIT BREAKER MODULE 0,5A 4P CURVE _ ~kA
CB1A/4P/_/~	EX CIRCUIT BREAKER MODULE 1A 4P CURVE _ ~kA
CB2A/4P/_/~	EX CIRCUIT BREAKER MODULE 2A 4P CURVE _ ~kA
CB3A/4P/_/~	EX CIRCUIT BREAKER MODULE 3A 4P CURVE _ ~kA
CB4A/4P/_/~	EX CIRCUIT BREAKER MODULE 4A 4P CURVE _ ~kA
CB6A/4P/_/~	EX CIRCUIT BREAKER MODULE ~A 4P CURVE _ ~kA
CB10A/4P/_/~	EX CIRCUIT BREAKER MODULE 10A 4P CURVE _ ~kA
CB16A/4P/_/~	EX CIRCUIT BREAKER MODULE 1~A 4P CURVE _ ~kA
CB20A/4P/_/~	EX CIRCUIT BREAKER MODULE 20A 4P CURVE _ ~kA
CB25A/4P/_/~	EX CIRCUIT BREAKER MODULE 25A 4P CURVE _ ~kA
CB32A/4P/_/~	EX CIRCUIT BREAKER MODULE 32A 4P CURVE _ ~kA
CB40A/4P/_/~	EX CIRCUIT BREAKER MODULE 40A 4P CURVE _ ~kA
Replace "_" of the reference with "C" or "D", to choose trip curve Replace "~" of the reference with "6" or "10", to choose rated capacity	

REFERECES EX CIRCUIT BREAKER MODULE 3P+N S/AUXILIARY	
REFERENCE	DESCRIPTION
CB05A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 0,5A 3P+N CURVE _ ~kA
CB1A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 1A 3P+N CURVE _ ~kA
CB2A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 2A 3P+N CURVE _ ~kA
CB3A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 3A 3P+N CURVE _ ~kA
CB4A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 4A 3P+N CURVE _ ~kA
CB6A/3P+N/_/~	EX CIRCUIT BREAKER MODULE ~A 3P+N CURVE _ ~kA
CB10A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 10A 3P+N CURVE _ ~kA
CB16A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 1~A 3P+N CURVE _ ~kA
CB20A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 20A 3P+N CURVE _ ~kA
CB25A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 25A 3P+N CURVE _ ~kA
CB32A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 32A 3P+N CURVE _ ~kA
CB40A/3P+N/_/~	EX CIRCUIT BREAKER MODULE 40A 3P+N CURVE _ ~kA
Replace "_" of the reference with "C" or "D", to choose trip curve Replace "~" of the reference with "6" or "10", to choose rated capacity	

CLICK HERE AND DISCOVER ALL SOLUTIONS

SOLUTIONS FOR HAZARDOUS AREA

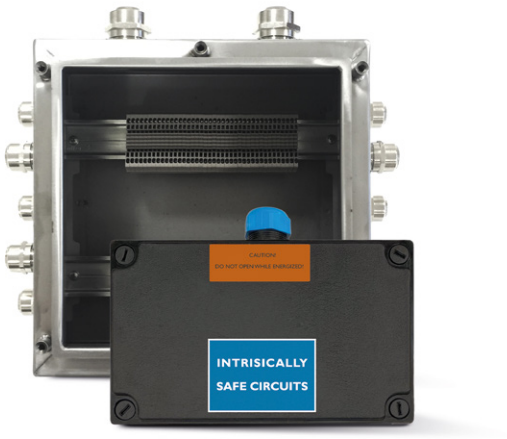
With over 50 years of experience in design, manufacture and supply of electrical high quality Atex & IECEx solutions

Atex Delvalle adapts to our clients' needs by offering Hazardous Area enclosures and boxes on demand. They are adapted to your specific requirements of installation and assembly, up to the last detail.

Atex Delvalle designs and manufactures a range of Hazardous Area enclosures; junction and terminal boxes, pressurized, flameproof Ex d and increased Safety Ex e Atex & IECEx compliant enclosures.

ATEX CABLE GLANDS

MOTOR STARTER & LOAD DISCONNECT SWITCHES



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Atex control boxes (Contrex Series), they are specially designed to perform checks, maneuvers and as actuators in explosive atmospheres. They have a rugged, corrosion system and finished in stainless steel or GRP polyester. It allows you to perform maneuvers and controls at the machine in hazardous areas and take programming and automation in a safe area. Offering customers a great combination of possibilities and flexibility.
Select the component that best suits your operator panels, keypads, mushrooms, switches, ammeters... and you assemble all with Atex certified, Ex & IECEx and UL.

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Contacta con nosotros, estamos a su disposición