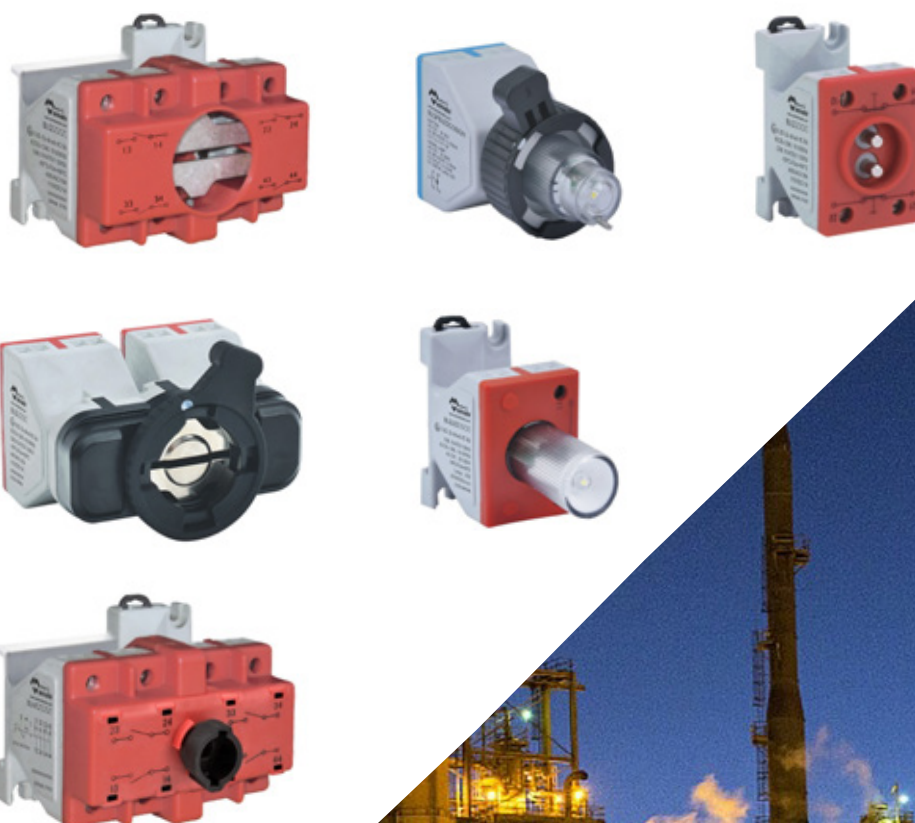




HAZARDOUS AREA SOLUTIONS

atex@atexdelvalle.com | www.atexdelvalle.com

EX MODULE FOR CONTROL AND SIGNALING UNITS



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.
Certified Junction Box Assembly.
Atex-delvalle are the leading certified assembler of Ex junction boxes. With an extensive stock holding of stainless steel enclosures, our workshops are able to provide unrivalled competence, expertise, quality and service to customer specifications.
Our customized services, experienced design and drafting 3D support.

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 18001, ATEX, IECEx.



CONTACT US

Confidentiality, reliability & quality

www.atexdelvalle.com
atex@atexdelvalle.com
+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**

EXPLOSION PROOF SWITCH MODULE



Switch Module Shall Be Used Together With Corresponding Operation Head

Delvalle explosion-proof switch module shall be used together with corresponding operation head and shall be mounted inside 'Ex e' enclosure conform to Atex and IECEx certifications.

Zones 1 and 2 and can be used in two low temperature ratings for option -40°C / -55°C.

➔ **FOR MORE INFORMATION CLICK HERE**



EXPLOSION PROOF SWITCH MODULE

TECHNICAL DATA

- Zones 1 and 2.
- Terminals: 2x2.5mm².
- Mechanical life: 1,000,000 times.
- Rated impulse with stand voltage: 6kV.
- Rated short-time with stand current: 10kA.
- Rated short-circuit making capacity: 17kA.
- Short-circuit protection: 16A / 500V.
- Board front rail mounting: on TS35x7.5 rail or screw fixation.
- Board back mounting: on 1~6mm panel.
- Electrical data:

AC-12	AC-15	DC-13	AC-3	AC-23
400V/16A	400V/10A	110V/1A	400V/16A	400V/16A

MODELS

- Board front mounting rail type, board back type explosion-proof 2-pole switch module has two separate pressing rods, each controls a group of contact. One group or two groups of contacts can be controlled by different operation heads to have different functions.
- Board front mounting rail type, board back type explosion-proof switch module 4-pole switch module has two separate metal pressing elements, and each controls two groups of contacts. Two groups or four groups of contacts can be controlled by different functional operation heads.
- Board front mounting rail type ex switch module 4-pole switch module (control switch, load isolation switch) has various contact diagrams for option. Besides of listed contact diagram, others can be customized. Four groups of contacts are maximum and shall be operated by special operation head.



2 poles - board front mounting rail type



2 poles - board back type



4 poles - board front mounting rail type



4 poles - board back type



4 poles - board front mounting rail type (control switch, load isolation switch)

CERTIFICATES

- Certificates number:
 - CML I9ATEX1295U
 - IECEx CML I9.0080U
- Type protection:
 - Ex db eb IIC Gb
- Ambient temperature:
 - -40°C / -55°C (optional) <Ta< +60°C
- Service temperature:
 - -40°C / -55°C (optional) <Ta< +90°C
- Standard:
 - Directive 2014/34/UE
 - EN IEC 60079-0:2018
 - EN IEC 60079-7:2015+A1:2018
 - EN 60079-1:2014
 - IEC 60079-0:2017
 - IEC 60079-1:2014-06
 - IEC 60079-7:2017
- Degree of protection: IP20

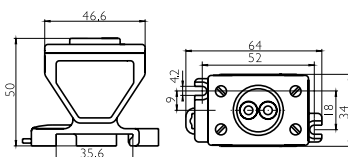
EXPLOSION PROOF SWITCH MODULE

DIMENSIONS AND REFERENCES

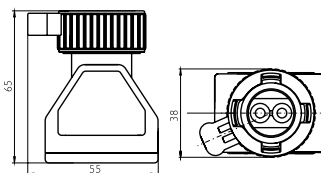
2 POLES. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE



2 poles - board front mounting rail type



BLQC/_/_/_



BLQT/_/_/_



2 poles - board back type

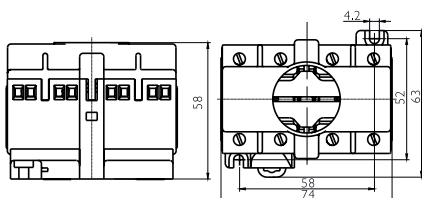
2 POLES - EXPLOSION PROOF SWITCH MODULE. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACKTYPE

ELECTRICAL DIAGRAM	CONTACT	BOARD FRONT MOUNTING RAIL		BOARD BACK	
		WEIGHT (Kg)	REFERENCES	WEIGHT (Kg)	REFERENCES
	1NC/1NO	0.069	BLQC/NONC/S/L	0.080	BLQT/NONC/S/L
	2NC		BLQC/2NC/S/L		BLQT/2NC/S/L
	2NO		BLQC/2NO/S/L		BLQT/2NO/S/L

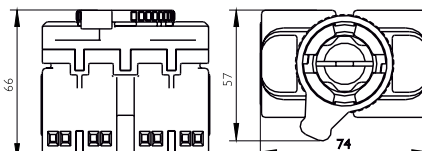
4 POLES. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE



4 poles - board front mounting rail type



BLQB/C/_/_/_



BLQB/T/_/_/_



4 poles - board back type

4 POLES - EXPLOSION PROOF SWITCH MODULE. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACKTYPE

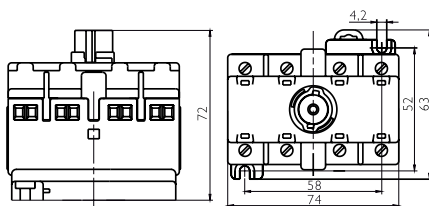
ELECTRICAL DIAGRAM	CONTACT	BOARD FRONT MOUNTING RAIL		BOARD BACK	
		WEIGHT (Kg)	REFERENCES	WEIGHT (Kg)	REFERENCES
	2NC/2NO	0.162	BLQB/C/50/S/L	0.166	BLQB/T/50/S/L
	4NC		BLQB/C/51/S/L		BLQB/T/51/S/L
	4NO		BLQB/C/52/S/L		BLQB/T/52/S/L
	1NC/3NO		BLQB/C/53/S/L		BLQB/T/53/S/L
	3NC/1NO		BLQB/C/54/S/L		BLQB/T/54/S/L

EXPLOSION PROOF SWITCH MODULE

4 POLES. BOARD FRONT MOUNTING RAIL TYPE (CONTROL SWITCH, LOAD ISOLATION SWITCH)



4 poles - board front mounting rail type (control switch, load isolation switch)



BLQH/C/_/_/_/_



LOCKED



SPRING-RETURN

4 POLES - EXPLOSION PROOF SWITCH MODULE (CONTROL SWITCH, LOAD ISOLATION SWITCH), BOARD FRONT MOUNTING RAIL TYPE

ELECTRICAL DIAGRAM	WEIGHT (Kg)	REFERENCES	ELECTRICAL DIAGRAM	WEIGHT (Kg)	REFERENCES
	0.211	BLQH/C01/S/L		0.211	BLQH/C18/S/L
		BLQH/C02/S/L			BLQH/C26/S/L
		BLQH/C03/S/L			BLQH/C31/S/L
		BLQH/C04/S/L			BLQH/C37/S/L
		BLQH/C05/S/L			BLQH/C46/S/L
		BLQH/C06/S/L			BLQH/C50/S/L
		BLQH/C07/S/L			BLQH/C56/S/L
		BLQH/C08/S/L			BLQH/C59/S/L
		BLQH/C09/S/L			BLQH/C60/S/L
		BLQH/C10/S/L			BLQH/C68/S/L
		BLQH/C11/S/L			BLQH/C74/S/L
		BLQH/C12/S/L			BLQH/C97/S/L
		BLQH/C13/S/L			BLQH/C98/S/L
		BLQH/C14/S/L			BLQH/C99/S/L



Zones 1 and 2

EXPLOSION PROOF SWITCH MODULE (WITH OPEN-CIRCUIT AND SHORT-CIRCUIT DETECTION)

With Different Functional Operation Head



Example

Board front mounting rail type ex switch module (with open circuit/short circuit detection) has two groups of contacts, each group of contact has resistor especially for the contact of low-power signal current for open circuit and short circuit detection. With different functional operation head, one or two groups of contacts can be operated.

➔ [FOR MORE INFORMATION CLICK HERE](#)

TECHNICAL DATA

- Zones 1 and 2.
- Terminals: 2x2.5mm².
- Mechanical life: 1,000,000 times.
- Rated power: max. 1.0W (single pole).
- Rated short-time with stand current: 10kA.
- Contact: gold-plated silver point.
- Contact resistance: normal 10mΩ.
- Board front rail mounting: on TS35x7.5 rail or screw fixation.
- Electrical data:

AC-15	DC-13
400V/10A	110V/1A



EXPLOSION PROOF SWITCH MODULE (WITH OPEN-CIRCUIT AND SHORT-CIRCUIT DETECTION)

CERTIFICATES

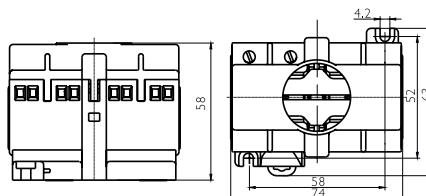
- Certificates number:
 - CML I9ATEX1295U
 - IECEx CML I9.0080U
- Type protection:
 - Ex db eb IIC Gb
- Ambient temperature:
 - -40°C / -55°C (optional) $<T_a < +60^{\circ}\text{C}$
- Service temperature:
 - -40°C / -55°C (optional) $<T_a < +90^{\circ}\text{C}$
- Standard:
 - Directive 2014/34/UE
 - EN IEC 60079-0:2018
 - EN IEC 60079-7:2015+A1:2018
 - EN 60079-1:2014
 - IEC 60079-0:2017
 - IEC 60079-1:2014-06
 - IEC 60079-7:2017
- Degree of protection: IP20

DIMENSIONS AND REFERENCES

2 POLES. BOARD FRONT MOUNTING RAIL TYPE (WITH OPEN-CIRCUIT AND SHORT-CIRCUIT DETECTION)



2 poles - board front mounting rail type (with open circuit/short circuit detection)



BQLS/_/_/_/_/_/_

2 POLES - EXPLOSION PROOF SWITCH MODULE (WITH OPEN-CIRCUIT AND SHORT-CIRCUIT DETECTION), BOARD FRONT MOUNTING RAIL TYPE

ELECTRICAL DIAGRAM	CONTACT (POSITIVE OPENING)	WEIGHT (Kg)	REFERENCES
	1NC/1NO 10K Ω / 1K Ω	0.160	BQLS/NONC/S/L/21
	1NC/1NO 10K Ω / 1.8K Ω		BQLS/NONC/S/L/22
	1NC/1NO 22.1K Ω / 681 Ω		BQLS/NONC/S/L/23
	2NC 10K Ω / 1K Ω		BQLS/2NC/S/L/21
	2NC 10K Ω / 1.8K Ω		BQLS/2NC/S/L/22
	2NO 10K Ω / 1K Ω		BQLS/2NO/S/L/21

**Zones 0, I and 2**

EXPLOSION PROOF SIGNAL LAMP MODULE



Examples



**Can Be Used In Two
Available Ex Marking**

Delvalle explosion-proof signal lamp module shall be used together with corresponding operation head and shall be mounted inside 'Ex e' enclosure conform to Atex and IECEx certifications.

Zones 0 (Ex ia IIC Ga), I and 2 and can be used in two available Ex marking and two low temperature ratings for option -40°C / -55°C.



FOR MORE INFORMATION CLICK HERE



EXPLOSION PROOF SIGNAL LAMP MODULE

TECHNICAL DATA

- Zones 0 (Ex ia IIC), I and 2.
- Terminals: 2x2.5mm².
- Light source: LED
- Rated voltage (Ex ia IIC):
 - 10V - 28V AC/DC
- Rated voltage (Ex db eb IIC):
 - 10V - 28V AC/DC
 - 20V - 250V AC/DC
 - 50V - 277V AC/DC
 - 380V - 400V AC
- Power consumption: P. max. < 1 W.
- Board front rail mounting: on TS35x7.5 rail or screw fixation.
- Board back mounting: on 1 ~6 mm panel.
- 'Ex ia' module shall be used together with barrier.
- Two low temperature ratings for option -40°C / -55°C.
- Wide voltage design, five voltage ratings for option.
- Inside with temperature switch protection.
- Mounting board front rail type (on rail or screw fixation) or board back type.



Ex db eb IIC Gb - board front mounting rail type



Ex ia IIC Ga - board front mounting rail type



Ex db eb IIC Gb - board back type



Ex ia IIC Ga - board back type

CERTIFICATES

- Certificates number:
 - CML I9ATEX1294U
 - IECEx CML I9.0079U
- Type protection:
 - Ex db eb IIC Gb
 - Ex ia IIC Ga
- Ambient temperature:
 - -40°C / -55°C (optional) <Ta< +60°C
 - -55°C <Ta< +55°C (Ex ia IIC)
 - -40°C / -55°C (optional) <Ta< +50°C (380V ~ 400V AC)
- Service temperature:
 - -40°C / -55°C (optional) <Ta< +90°C
- Standard:
 - Directive 2014/34/UE
 - EN IEC 60079-0:2018
 - EN IEC 60079-7:2015+A1:2018
 - EN 60079-1:2014
 - IEC 60079-0:2017
 - IEC 60079-1:2014-06
 - IEC 60079-7:2017
- Degree of protection: IP20

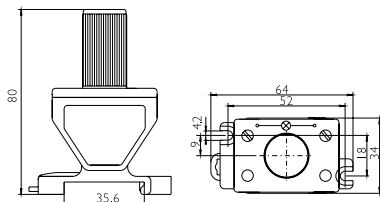
EXPLOSION PROOF SIGNAL LAMP MODULE

DIMENSIONS AND REFERENCES

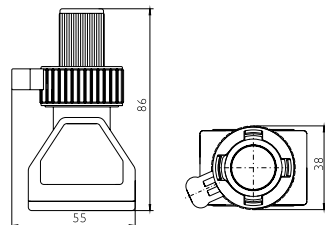
EX DB EB IIC GB. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE



Ex db eb IIC Gb - board front mounting rail type



BLQLED/C/_/_/_



BLQLED/T/_/_/_



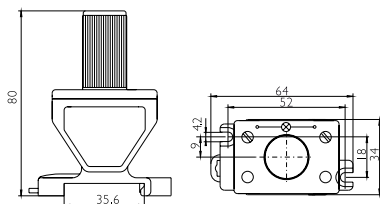
Ex db eb IIC Gb - board back type

EX DB EB IIC GB - EXPLOSION PROOF SIGNAL LAMP MODULE, BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE						
VOLTAGE OF SIGNAL LAMP MODULE	COLOR LAMP	EX MARK	BOARD FRONT MOUNTING RAIL		BOARD BACK	
			WEIGHT (Kg)	REFERENCES	WEIGHT (Kg)	REFERENCES
10V ~ 28V AC/DC	White	Ex db eb IIC Gb	0.06 l	BLQLED/C/0/3/L	0.070	BLQLED/T/0/3/L
20V ~ 250V AC/DC				BLQLED/C/0/1/L		BLQLED/T/0/1/L
50V ~ 277V AC/DC				BLQLED/C/0/4/L		BLQLED/T/0/4/L
380V ~ 400V AC				BLQLED/C/0/2/L		BLQLED/T/0/2/L

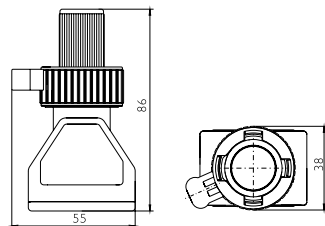
EX IA IIC GA. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE



Ex ia IIC Ga - board front mounting rail type



BLQLED/C/_/0/H



BLQLED/T/_/0/H



Ex ia IIC Ga - board back type

EX IA IIC GA - EXPLOSION PROOF SIGNAL LAMP MODULE, BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE						
VOLTAGE OF SIGNAL LAMP MODULE	COLOR LAMP	EX MARK	BOARD FRONT MOUNTING RAIL		BOARD BACK	
			WEIGHT (Kg)	REFERENCES	WEIGHT (Kg)	REFERENCES
10V ~ 28V AC/DC	White	Ex ia IIC Ga	0.06 l	BLQLED/C/0/0/H	0.070	BLQLED/T/0/0/H

**Zones 0, I and 2**

EXPLOSION-PROOF SIGNAL LAMP WITH PUSH BUTTON MODULE



Examples



**Can Be Used In Two
Available Ex Marking**

Delvalle explosion-proof signal lamp with button module shall be used together with corresponding operation head and shall be mounted inside 'Ex e' enclosure conform to ATEX and IECEx certifications. Zones 0 (Ex ia IIC Ga), I and 2 and can be used in two available Ex marking and two low temperature ratings for option -40°C / -55°C.



FOR MORE INFORMATION CLICK HERE



EXPLOSION-PROOF SIGNAL LAMP WITH PUSH BUTTON MODULE

TECHNICAL DATA

- Zones 0 (Ex ia IIC), I and 2.
- Terminals: 2x2.5mm².
- Light source: LED
- Button (rated voltage / rated current):
 - AC/DC 30V 100mA (Ex ia)
 - AC 250V / 10A DC24V / 1A (Ex db eb IIC)
- Utilization category: AC-I5, DC-I3.
- Short-circuit protection: 16A / 500V.
- Mechanical life: 300.000.000 times.
- Power dissipation: P. max. < 1W.
- Rated voltage (Ex ia IIC):
 - 10V - 28V AC/DC
- Rated voltage (Ex db eb IIC):
 - 10V - 28V AC/DC I
- 20V - 250V AC/DC
- 50V - 277V AC/DC
- Board front rail mounting: on TS35x7.5 rail or screw fixation.
- Board back mounting: on 1 ~6 mm panel.
- 'Ex ia' module shall be used together with barrier.
- Two low temperature ratings for option -40°C / -55°C.
- Signal lamp with button has contact INC or INO and signal lamp element inside.
- Wide voltage design, five voltage ratings for option.
- Inside with temperature switch protection.
- Mounting board front rail type (on rail or screw fixation) or board back type.



Ex db eb IIC Gb - board front mounting rail type



Ex ia IIC Ga - board front mounting rail type



Ex db eb IIC Gb - board back type



Ex ia IIC Ga - board back type

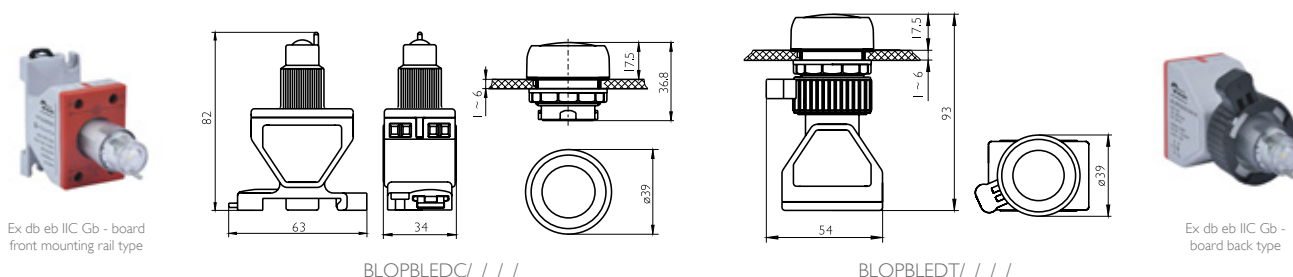
CERTIFICATES

- Certificates number:
 - CML I9ATEX I296U
 - IECEx CML I9.008 I U
- Type protection:
 - Ex db eb IIC Gb
 - Ex ia IIC Ga
- Ambient temperature:
 - -40°C / -55°C (optional) <Ta< +60°C
 - -55°C <Ta< +55°C (Ex ia IIC)
- Service temperature:
 - -40°C / -55°C (optional) <Ta< +90°C
- Standard:
 - Directive 2014/34/UE
 - EN IEC 60079-0:2018
 - EN IEC 60079-7:2015+A1:2018
 - EN 60079-1:2014
 - EN 60079-11:2012
 - EN 60079-26:2015
 - IEC 60079-0:2017
 - IEC 60079-1 2014-06
 - IEC 60079-11:2011
 - IEC 60079-7:2017
- Degree of protection: IP20

EXPLOSION-PROOF SIGNAL LAMP WITH PUSH BUTTON MODULE

DIMENSIONS AND REFERENCES

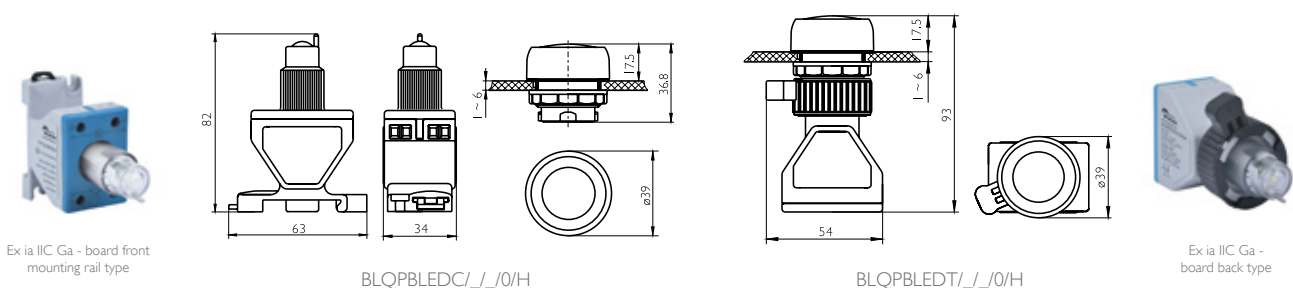
EX DB EB IIC GB. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE



EX DB EB IIC GB - EXPLOSION PROOF SIGNAL LAMP WITH PUSH BUTTON MODULE. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE

ELECTRICAL DIAGRAM	CONTACT	VOLTAGE OF SIGNAL LAMP MODULE	COLOR LAMP	EX MARK	BOARD FRONT MOUNTING RAIL		BOARD BACK	
					WEIGHT (Kg)	REFERENCES	WEIGHT (Kg)	REFERENCES
	I NC	10V ~ 28V AC/DC	White	Ex db eb IIC Gb	0.074	BLQPBLEDI/3/0/3/L	0.083	BLQPBLEDT/3/0/3/L
		20V ~ 250V AC/DC				BLQPBLEDI/3/0/1/L		BLQPBLEDT/3/0/1/L
		50V ~ 277V AC/DC				BLQPBLEDI/3/0/4/L		BLQPBLEDT/3/0/4/L
	I NO	10V ~ 28V AC/DC				BLQPBLEDI/4/0/3/L		BLQPBLEDT/4/0/3/L
		20V ~ 250V AC/DC				BLQPBLEDI/4/0/1/L		BLQPBLEDT/4/0/1/L
		50V ~ 277V AC/DC				BLQPBLEDI/4/0/4/L		BLQPBLEDT/4/0/4/L

EX IA IIC GA. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE



EX IA IIC GA - EXPLOSION PROOF SIGNAL LAMP WITH PUSH BUTTON MODULE. BOARD FRONT MOUNTING RAIL TYPE / BOARD BACK TYPE

ELECTRICAL DIAGRAM	CONTACT	VOLTAGE OF SIGNAL LAMP MODULE	COLOR LAMP	EX MARK	BOARD FRONT MOUNTING RAIL		BOARD BACK	
					WEIGHT (Kg)	REFERENCES	WEIGHT (Kg)	REFERENCES
	I NC	10V ~ 28V AC/DC	White	Ex ia IIC Ga	0.074	BLQPBLEDI/3/0/0/H	0.083	BLQPBLEDT/3/0/0/H
		10V ~ 28V AC/DC				BLQPBLEDI/4/0/0/H		BLQPBLEDT/4/0/0/H

DELVALLE OFFERS OTHER SOLUTIONS ATEX & IECEx

➔ [CLICK HERE AND DISCOVER ALL SOLUTIONS](#)

ATEX TERMINAL BOXES **TERBOX SERIES**



EX LOCAL CONTROL & DISTRIBUTION BOXES **CONTREX SERIES**



PLUG AND SOCKET BOXES **CONNEX SERIES**



FLAMEPROOF CONNECTION BOXES **EJB SERIES**



EX LIGHTING FIXTURE **ATEX**



PRESSURIZED ENCLOSURE EX P **PEPPEX SERIES**



DELVALLE OFFERS OTHER SOLUTIONS ATEX & IECEx

➔ [CLICK HERE AND DISCOVER ALL SOLUTIONS](#)

EX CABLE GLANDS ATEX & IECEx



MOTOR AND SWITCH MACHINES ATEX & IECEx



EX PUSH BUTTON STATION CONTREX SERIES



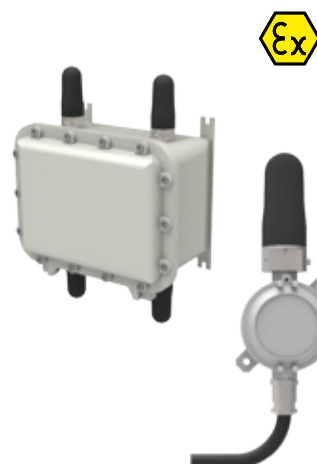
INDUSTRIAL WORKSTATIONS & HMI'S ATEX



EX 19" RACK ATEX



HAZARDOUS WIRELESS & ANTENNA SYSTEMS ATEX





/ FLEXIBLE ATEX & IECEx SOLUTIONS



Paso del Prao, 6. 01320 Oyón (Álava), Spain
Telf. +34 945 601 381
www.atexdelvalle.com - atex@atexdelvalle.com

Contact us, we will be available at any time