



HAZARDOUS AREA SOLUTIONS

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EXPLOSION - PROOF LOAD ISOLATION SWITCH 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.
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

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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

EXPLOSION - PROOF LOAD ISOLATION SWITCH MODULE



Example switch modules



Examples handles

**They Are Suitable
For Rated Voltages of Up
to 690V AC**

Motor, load and control switches for hazardous areas.

These switches have various roles in hazardous areas: load and motor switches are used as motor or main switches and control switches are used as EM stop switches. They are suitable for rated voltages of up to 690V AC and rated operational currents of up to 180A.

➔ **FOR MORE INFORMATION CLICK HERE**



EXPLOSION - PROOF LOAD ISOLATION SWITCH MODULE

TECHNICAL DATA

- Zones 1 and 2.
- ON/OFF capacity of switch: AC 3

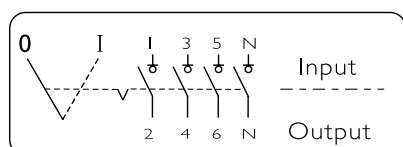
230V	400V	500V	690V
25A	25A	20A	16A
40A	40A	40A	32A
80A	80A	80A	63A
180A	180A	150A	125A

- Cross section of terminal:
 - 25A: $2 \times 1.5 \sim 4\text{mm}^2$;
 - 40A: $2 \times 10\text{mm}^2$;
 - 80A: $2 \times 16 \sim 25\text{mm}^2$;
 - 180A: $2 \times 50 \sim 95\text{mm}^2$
- Material of enclosure: unsaturated resin.

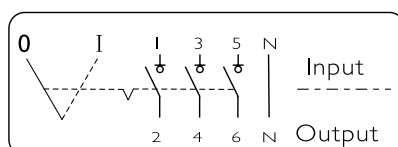
CERTIFICATES

- Certificates number:
 - CML I9ATEX1297U
 - IECEx CML I9.0082U
- Type protection:
 - II2G Ex db eb IIC Gb
 - Ex db eb IIC Gb
- Standard:
 - Directive 2014/34/UE
 - EN IEC 60079-0:2018
 - EN 60079-1:2014
 - EN IEC 60079-7:2015
- Ambient temperature:
 - $-25^{\circ}\text{C} < T_a < +55^{\circ}\text{C}$

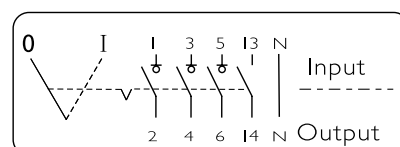
ELECTRICAL DIAGRAM



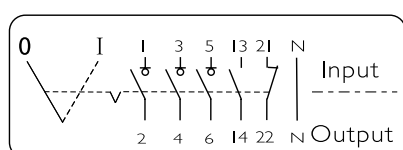
3P+N



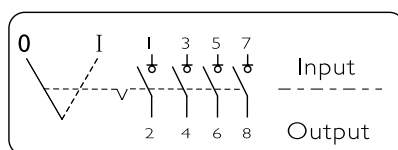
3P



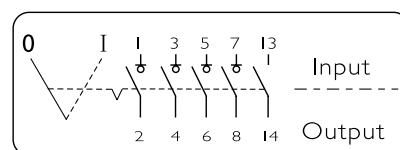
3P+NO



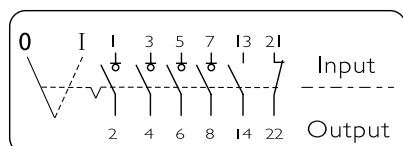
3P-NONC



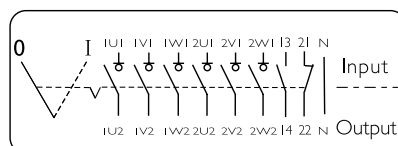
4P



4P+NO

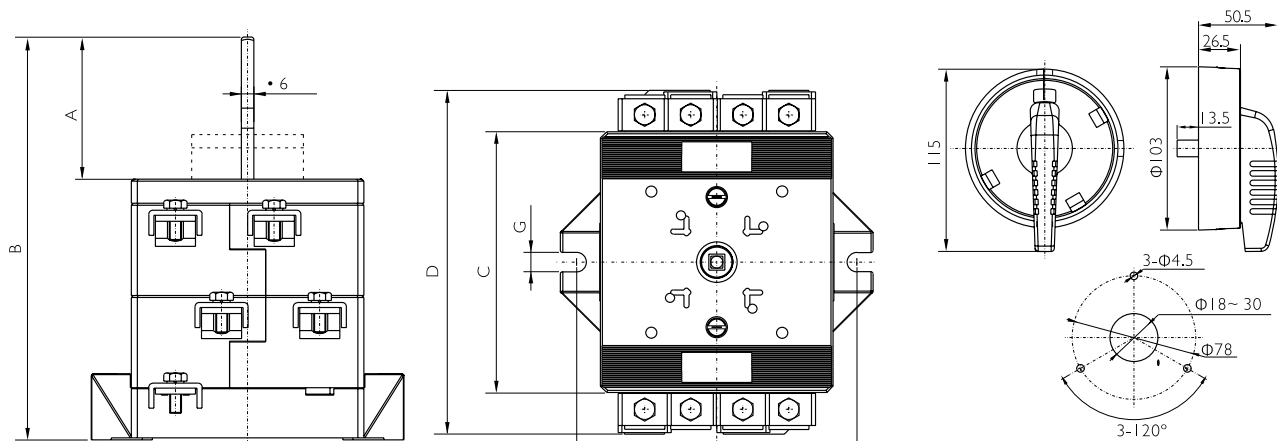


4P-NONC



EXPLOSION - PROOF LOAD ISOLATION SWITCH MODULE

PLAN AND DIMENSIONS



Installation diagram of switch operating handle

DIMENSIONS EXPLOSION-PROOF LOAD ISOLATION SWITCH MODULE

POLES	25A							40A							80A							180A						
	A	B	C	D	E	F	G	A	B	C	D	E	F	G	A	B	C	D	E	F	G	A	B	C	D	E	F	G
3P	41	105						83	171						71	201						84	241					
4P	41	105						83	171						71	201						84	241					
3P + N	41	105						83	171						71	201						84	241					
3P - 4	41	105						57	171						45	201						58	241					
3P - 0	23	105	50	72	74	80	5.5	57	171	73	118	115	126	6.5	45	201	130	172	142	156	9.5	58	241	145	201	172	192	9.5
4P - 4	23	105						57	171						45	201						58	241					
4P - 0	23	105						57	171						45	201						58	241					
6P - 0	51	151						59	201						39	241						50	291					
6P - 2	51	151						59	201						39	241						50	291					

REFERENCES

REFERENCES HANDLE

DVACC8003/3DB

STANDARD HANDLE (BLACK)



DVACC8003/3DE

EMERGENCY HANDLE (RED)



EXPLOSION - PROOF LOAD ISOLATION SWITCH MODULE

Reference configuration. Examples: LISM25/3P, LISM40/3PN, LISM80/4P or **LISM180/6P/NONC**.

1	+	2	+	3	+	4
Code		Rated Current		Number of Poles		Auxiliary Contact (No matching not noted)
		25: 25A 40: 40A 80: 80A 180: 180A		3P 3PN 4P 6P		NONC 2NO 2NO 1NC 1NO
LISM		180	/	6P	/	NONC

25A MODULE

- Current: 25 A
- Voltage: 690 V ac 50/60 Hz
- Capacity:

U (V)	230	400	500	600	250	400	24	250
AC3 I (A)	25	25	20	16	AC15 10	8	DC13 8	1
Wire cross section area	4mm ²	2.5mm ²	1.5mm ²	1.5mm ²				

LISM25/3P	ISOLATION SWITCH 25A, 3P
LISM25/4P	ISOLATION SWITCH 25A, 4P
LISM25/3PN	ISOLATION SWITCH 25A, 3P+N
LISM25/3P/NO	ISOLATION SWITCH 25A, 3P, 1NO
LISM25/3P/NONC	ISOLATION SWITCH 25A 3P NO+1NC
LISM25/4P/NO	ISOLATION SWITCH 25A, 4P, 1NO
LISM25/4P/NONC	ISOLATION SWITCH 25A 4P NO+1NC
LISM25/6P/NO	ISOLATION SWITCH 25A 6P NO+1NC
LISM25/6P/NONC	ISOLATION SWITCH 25A, 6P, 2NO

40A MODULE

- Current: 40 A
- Voltage: 690 V ac 50/60 Hz
- Capacity:

U (V)	230	400	500	690
AC3 I (A)	40	40	40	32
Wire cross section area	10mm ²			

LISM40/3P	ISOLATION SWITCH 40A, 3P
LISM40/4P	ISOLATION SWITCH 40A, 4P
LISM40/3PN	ISOLATION SWITCH 40A, 3P+N
LISM40/3P/NO	ISOLATION SWITCH 40A, 3P, 1NO
LISM40/3P/NONC	ISOLATION SWITCH 40A 3P NO+1NC
LISM40/4P/NO	ISOLATION SWITCH 40A, 4P, 1NO
LISM40/4P/NONC	ISOLATION SWITCH 40A 4P NO+1NC
LISM40/6P/NO	ISOLATION SWITCH 40A 6P NO+1NC
LISM40/6P/NONC	ISOLATION SWITCH 40A, 6P, 2NO

80A MODULE

- Current: 80 A
- Voltage: 690 V ac 50/60 Hz
- Capacity:

U (V)	230	400	500	690
AC3 I (A)	80	80	80	63
Wire cross section area	25mm ²			16mm ²

LISM80/3P	ISOLATION SWITCH 80A, 3P
LISM80/4P	ISOLATION SWITCH 80A, 4P
LISM80/3PN	ISOLATION SWITCH 80A, 3P+N
LISM80/3P/NO	ISOLATION SWITCH 80A, 3P, 1NO
LISM80/3P/NONC	ISOLATION SWITCH 80A 3P NO+1NC
LISM80/4P/NO	ISOLATION SWITCH 80A, 4P, 1NO
LISM80/4P/NONC	ISOLATION SWITCH 80A 4P NO+1NC
LISM80/6P/NO	ISOLATION SWITCH 80A 6P NO+1NC
LISM80/6P/NONC	ISOLATION SWITCH 80A, 6P, 2NO

180A MODULE

- Current: 180 A
- Voltage: 690 V ac 50/60 Hz
- Capacity:

U (V)	230	400	500	690
AC3 I (A)	180	180	150	125
Wire cross section area	95mm ²		70mm ²	50mm ²

LISM180/3P	ISOLATION SWITCH 180A, 3P
LISM180/4P	ISOLATION SWITCH 180A, 4P
LISM180/3PN	ISOLATION SWITCH 180A, 3P+N
LISM180/3P/NO	ISOLATION SWITCH 180A, 3P, 1NO
LISM180/3P/NONC	ISOLATION SWITCH 180A 3P NO+NC
LISM180/4P/NO	ISOLATION SWITCH 180A, 4P, 1NO
LISM180/4P/NONC	ISOLATION SWITCH 180A 4P NO+NC
LISM180/6P/NO	ISOLATION SWITCH 180A 6P NO+NC
LISM180/6P/NONC	ISOLATION SWITCH 180A, 6P, 2NO

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Contact us, we will be available at any time