

# LUMINAIRE SPECIFICATION

**PROJECT :**



- The Plug and sockets are used to supply power to portable local controllers, electrical installations and mobile machines and drives in potentially explosive areas, but can also be used in a "normal industrial area".
- The switch sockets are available for currents of between 16 A and 125 A and for connection cross-sections of up to 150 mm<sup>2</sup>. suitable for all commonly used wiring systems across the world (IEC 60309), IP66 degree of protection.
- The operating equipment connected to the connector must be suitable for the mains voltage supplied.

**Certification**

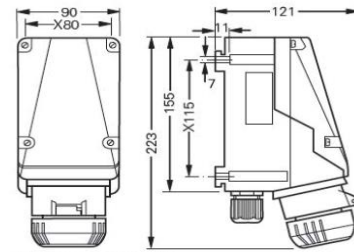
CE	0470
Notification Body	NEMKO
Certification Body	EUROFINS
Certificate No.	ATEX: EPT 20 ATEX 3566X IECEX:IECEX EUT 20.0001X
Group	II
Category	2GD
Classification	Ex db eb, Extb
Gas Group	IIC
Temperature Class	T6
Ambient Temperature	-50 to +65 °C
Ingress Protection	IP66
Marking	Ex db eb IIC T6 Gb Ex tb IIIC T80 °C Db IP66
Standards	EN60079-0:2012, EN60079-1:2014 EN60079-7:2015 EN60079-31:2013

**Electrical data**

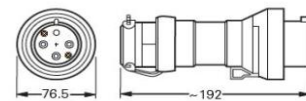
Rated voltage	max. 690 V AC / max. 110 V DC
Rated current	16A
Auxiliary contacts	max. 6 A
Frequency	0 to 60 Hz (for frequencies > 100 Hz reduction to 12 A required)
rated switch capacity:	DC12V to 110V, AC 110V to 690V
Short-circuit protection	max. 16 A gG
Interlocked switch	max. 4 pole switch 2 optional auxiliary contacts (ON - delayed, OFF - advanced)

**Ambient conditions**

Ambient temperature	-50 to +65 °C	
Temperature class	Current	Ambient temperature
T6	16A [4mm <sup>2</sup> ]	Ta = 65 °C



Wall socket 3-pole



Plug 3-pole

code	voltage	colour	poles		h
			Number of pole	Schgmatic diagram	
AC 110-130		yellow	1P+N+PE		4
AC 200-250		blue	1P+N+PE		6
AC 200-250		blue	3P+PE		9
AC 380-415		red	3P+PE		6
AC 480-500		black	3P+PE		7
AC 600-690		black	3P+PE		5

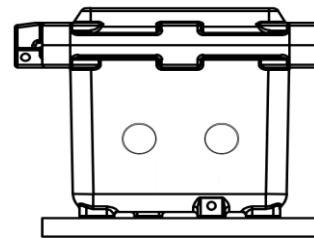
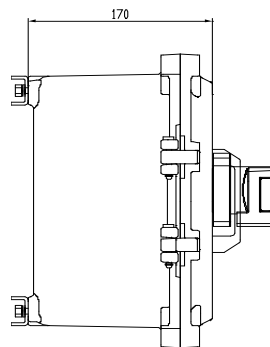
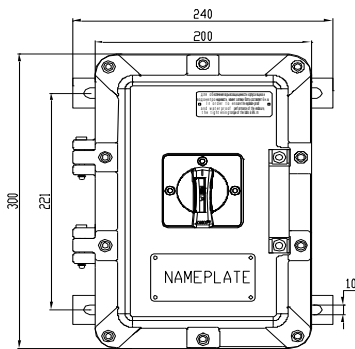
<b>Type :</b>	16A, 1P+N+PE plug & socket	<b>Location :</b>	
<b>Model :</b>	LUMENEX DWTS-R-16A 3P	<b>Legend :</b>	<b>Quantity:</b>
<b>Lamp Source:</b>	N/A	<b>Control Gear :</b>	N/A
<b>Color Temp :</b>	N/A	<b>Lumen:</b>	N/A
<b>IP Rating :</b>	IP66	<b>Dimension:</b>	As shown above
<b>Description :</b>	LUMENEX DWTS-R-16A 3P, Exd explosion-proof sockets outlet suitable for zone 1,2 & zone 21,22. 16A, 1P+N+PE, 200-250V (colour code BLUE), polyamide glass fibre reinforced body, IP66.	<b>Country of Origin :</b>	China
		<b>Comments:</b>	
<b>Submitted Date:</b>	<b>Revision:</b>	<b>Approved by:</b>	<b>Signature:</b>
		Architect	
		Consultant	

# SPECIFICATION

**PROJECT :**



TECHNICAL INSTRUCTION	
1	The enclosure is die casting aluminium alloy, the surface is high voltage static powder coated.
2	Explosion rating $\text{Ex II 2G Ex db IIB+H2 T6 Gb}$
3	Protection rating: IP66
4	Internal & External earth
5	Mounting type: Wall type



2-M25X1.5-6H

**\*OPTIONAL ACCESSORIES:**



**CB-VOLANS SERIES**  
FOR ALL ARMoured CABLE  
NICKEL PLATED BRASS



**CB-E OCTANS SERIES**  
FOR NEOPRENE CABLE  
NICKEL PLATED BRASS



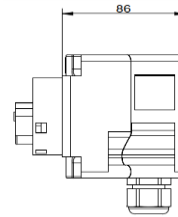
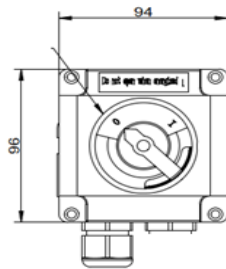
**SP-AQUILA SERIES**  
BLIND PLUG  
NICKEL PLATED BRASS

<b>Type :</b>	Ex-proof Isolator	<b>Location :</b>	
<b>Model :</b>	MAMX-02-B2-D (40A/4P)	<b>Legend :</b>	<b>Quantity:</b>
<b>Lamp Source:</b>		<b>Control Gear :</b>	N/A
<b>Color Temp :</b>	N/A	<b>Lumen:</b>	N/A
<b>IP Rating :</b>		<b>IP Rating :</b>	IP66
<b>Description :</b>	LUMENEX MAMX-02-B2-D, 40A 4 POLE EXPLOSION-PROOF ISOLATOR. SUITABLE FOR ZONE 1,21; 2&22 APPLICATION, DIE-CAST ALUMINIUM ALLOY HOUSING, IP66, IECEx & ATEX CERTIFIED. CABLE ENTRIES 2XM25, W/O CABLE GLAND. PLEASE CONTACT SALES OFFICE FOR OTHER CONFIGURATIONS.		<b>Dimension:</b> As shown above
		<b>Country of Origin :</b>	China
		<b>Comments:</b>	

<b>Submitted Date:</b>	<b>Revision:</b>	<b>Approved by:</b>	<b>Signature:</b>
		Architect	
		Consultant	

# LUMINAIRE SPECIFICATION

**PROJECT :**



<b>Certification</b>	
Notification Body	NEMKO
Certification Body	CML
Certificate No.	ATEX: CML17 ATEX 3038X IECEX: CML IECEX 17.0023X
Category	2 GD
Classification	Ex eb * , Extb
Gas Group	* Symbols for the additional protection types 'db', 'ib', 'mb' that may be fitted
Temperature Class	T6-T4
Ambient Temperature	-60°C - +65°C
Ingress Protection	IP66
Marking	II 2 G, Exeb * IIC T6-T4 Gb, -60 °C<Tamb<+65 °C II 2 D, Extb IIIC T80 °C, T95 °C, T130 °C Db
Standards	EN60079-0:2012, EN60079-1:2007, EN60079-7:2015, EN 60079-11:2012, EN 60079-18:2009, EN60079-31:2014

<b>Type :</b>	Ex-proof on/off switch	<b>Location :</b>	
<b>Model :</b>	LUMENEX EJEC-R969385SN	<b>Legend :</b>	<b>Quantity:</b>
<b>Lamp Source:</b>	N/A	<b>Control Gear :</b>	N/A
<b>Color Temp :</b>	N/A	<b>Lumen:</b>	N/A
<b>IP Rating :</b>		<b>IP Rating :</b>	IP66
<b>Description :</b>	LUMENEX EJEC-R969385SN, Explosion proof on off switch suitable for zone 1,2 & zone 21,22. GRP body, IP66. With 2x M20 cable entries. Complete with 1x M20 cable gland and 1x M20 blind plug	<b>Dimension:</b>	As above
		<b>Country of Origin :</b>	China
		<b>Comments:</b>	
<b>Submitted Date:</b>	<b>Revision:</b>	<b>Approved by:</b>	<b>Signature:</b>
		Architect	
		Consultant	