



Notified Body 2549

International Center for Quality Certification - ICQC LLC
Skolas street 63-19, Jurmala, LV-2016, Latvia
Phone: +37167747860 E-mail: office@icqc.lv Web: www.icqc.lv
SIA „International Center for Quality Certification - ICQC”
Reģ. Nr.LV40103539825
Skolas iela 63-19, Jūrmala, LV-2016, Latvija



EN ISO/IEC 17065
S1-499

(1) **EU-TYPE EXAMINATION CERTIFICATE**

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **ICQC 23 ATEX 0498 X**

Issue: 1

(4) Equipment: **Local Control Panel Series KPEXXLCP**

(5) Applicant: **KLEEV MIDDLE EAST FZE**
P.O. Box: 17259, Plot No. MO 0767, Street No. N200, Jebel Ali Free Zone (North), Dubai, United Arab Emirates.

(6) Manufacturer: **KLEEV MIDDLE EAST FZE**
P.O. Box: 17259, Plot No. MO 0767, Street No. N200, Jebel Ali Free Zone (North), Dubai, United Arab Emirates.

(7) This equipment and any acceptable variations, also documents which are specified in the schedule to this certificate.

(8) The certification body ICQC, Notified Body No. 2549 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential report No. **498-1/2025/04/ATEX**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC60079-0:2018, EN 60079-1:2014, EN 60079-7:2015+A1:2018, EN 60079-11:2012, EN 60079-18:2015+AC:2018-09, EN 60079-31:2024

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment. These are not covered by the certificate

(12) The marking of the equipment or protective system shall include the following:



See Schedule to Certificate

Head of Certification Body:



Sergey Kovalev

Date of issue: 30 July 2025
Jurmala, Latvia

(13) **SCHEDULE**

(14) **to EU-TYPE EXAMINATION CERTIFICATE: ICQC 23 ATEX 0498 X**

Issue: 1

(15) **Description of Equipment:**

The Local Control Panel Series KPEXXLCP is used for the control of electrical apparatus and/or for the power distribution.

The Local Control Panel Series KPEXXLCP consist of pre-certified enclosure, covered by ICQC 23 ATEX 496 U, which is installed with separately certified terminal blocks, Ammeter/Voltmeter and signaling and control accessories.

The maximum electrical rating for non- intrinsically safe circuits is 630V/14 Amps and for intrinsically safe circuits is 300 V/14 Amps. Local control Panel provides an ingress protection rating of IP 54 for Increase safety "e" and IP66 for Dust protection by enclosure "t".

Model designation KPE XX LCP XXXX XXX XXX:

- KPE: Kleev Product
- XX: MATERIAL GRADE
 - 01 = ASTM A240 Gr. 304
 - 02 = ASTM A240 Gr. 304L
 - 03 = ASTM A240 Gr. 316
 - 04 = ASTM A240 Gr. 316L
 - 05 = EN 10025-2 Gr. S275JR
- LCP: Local Control Panel
- XXXX: HEIGHT (0200 mm to 2000 mm)
- XXX: WIDTH (150 mm to 1200 mm)
- XXX: DEPTH (150 mm to 1000 mm)

The maximum number of accessories (control and signalling devices/Ammeter/Voltmeter) are given in Table1

Table 1: Maximum allowed Control and signaling accessories

Model	EXPLOSION-PROOF CONTROL & SIGNALING UNIT					Ammeter	Voltmeter
	Lamp	Push button	Switch/ Actuator	Emergency Push button	Switch handle		
KPEXXLCP0200150150	-	-	-	-	-	-	-
KPEXXLCP0260260150	-	2	-	-	-	-	-
KPEXXLCP0260260200	-	2	-	-	-	-	-
KPEXXLCP0300200150	1	1	1	1	1	-	-
KPEXXLCP0300200200	1	1	1	1	1	-	-
KPEXXLCP0380380150	6	6	2	2	2	1	1
KPEXXLCP0380380200	6	6	2	2	2	1	1
KPEXXLCP0400500150	8	6	6	6	3	2	2
KPEXXLCP0400500200	8	8	6	6	3	2	2
KPEXXLCP0500600200	12	12	9	9	8	4	2
KPEXXLCP0600450200	12	15	8	8	6	4	2
KPEXXLCP0760500200	24	21	10	18	12	6	4
KPEXXLCP0900600300	32	32	21	21	15	10	6
KPEXXLCP1000500300	27	30	24	24	18	6	6
KPEXXLCP1500800500	75	80	48	52	40	27	21
KPEXXLCP2000800800	105	110	68	72	56	36	27
KPEXXLCP200012001000	105	110	68	72	56	36	27

Technical characteristics:

Electrical Rating:

Local Control Panel type and wattage limits are detailed below:

Table 2: The maximum permitted power dissipation within each Local Control Panel is as follows:

Temperature class Maximal Tamb, °C LCP type	Maximum Dissipated Power (Watts)				
	T6	T5	T4	T4	T3
	+60	+70	+90	+40	+50
KPEXXLCP0200150150		8.1			20.6
KPEXXLCP0260260150		14.5			31.5
KPEXXLCP0260260200		15.8			34.5
KPEXXLCP0300200150		17.0			37.5
KPEXXLCP0300200200		18.1			41.8
KPEXXLCP0380380150		20.1			49.4
KPEXXLCP0380380200		22.1			57.0
KPEXXLCP0400500150		24.6			64.2
KPEXXLCP0400500200		27.3			74.3
KPEXXLCP0500600200		30.0			84.3
KPEXXLCP0600450200		32.8			94.35
KPEXXLCP0760500200		35.5			104.4
KPEXXLCP0900600300		38.2			112.8
KPEXXLCP1000500300		40.9			121.2
KPEXXLCP1500800500		43.6			131.6
KPEXXLCP2000800800		46.2			142
KPEXXLCP200012001000		46.2			142

Table 2 represent the standard sizes of Enclosure with Terminal blocks and the maximum power dissipation for each size. If non-standard size enclosures are produced that fall between the sizes listed in the table, the maximum power dissipation of the next smaller standard size is to be applied. If non-standard size enclosures are produced that are larger than the largest size in the tables, up to the maximum size of enclosure allowed by the associated component certification, the maximum power dissipation of the largest standard size in the table will be applied. Non-standard size enclosures smaller than the smallest standard size in the table are not covered by this certification.

Ex Marking

For Group IIG

Ex marking	
Without I.S terminals	With I.S. terminals
II 2G Ex eb IIC T* Gb	II 2G Ex eb ia IIC T* Gb
II 2G Ex db eb IIC T* Gb	II 2G Ex db eb ia IIC T* Gb
II 2G Ex eb mb IIC T* Gb	II 2G Ex eb ia mb IIC T* Gb
II 2G Ex db eb mb IIC T* Gb	II 2G Ex db eb ia mb IIC T* Gb
II 3G Ex ec IIC T* Gc	II 3G Ex ec ia IIC T* Gc
II 3G Ex db ec IIC T* Gc	II 3G Ex db ec ia IIC T* Gc
II 3G Ex ec mb IIC T* Gc	II 3G Ex ec ia mb IIC T* Gc
II 3G Ex db ec mb IIC T* Gc	II 3G Ex db ec ia mb IIC T* Gc
(-35 °C ≤ Ta ≤ +** °C)	

*/** for relation between temperature class, upper ambient temperature and power dissipation refer Table 2

For Group IIB

Ex tb IIC T*Db IP66 (-35 °C ≤ Ta ≤ + °C)**

*/** for relation between maximum surface temperature, upper ambient temperature and power dissipation refer Table 2

Variation 1 - This variation introduced the following changes:

- 1) Model/size KPEXXYYY200012001000 has been added.
- 2) Updating to current standards edition.

Warning markings:

WARNING: "DO NOT OPEN WHEN ENERGIZED"

WARNING: "CLEAN WITH DAMP CLOTH ONLY".

WARNING: "USE CABLE AND CABLE GLAND SUITABLE FOR TEMPERATURE OF XXX °C".

WARNING: "DO NOT REMOVE OR REPLACE THE FUSE/-TEST DISCONNECT SWITCH WHEN ENERGIZED".

When intrinsically safe circuits are connected in the terminal box

"WARNING – Intrinsically safe circuits"

Routine tests:

Manufacturer shall carry out dielectric strength test at 2U+1000 V for duration of 60 seconds according to Cl. 7.1 of EN IEC 60079-7:2016. No electrical breakdown shall occur.

(16) Descriptive Documents:

USER MANUAL FOR EX-LOCAL CONTROL PANEL KL-08200-UM-QX-03 R00 Issue Date: 01-APR-2023

The drawings are listed in Evaluation report No: 498-1/2025/04/ATEX

Certificate History:

Issue/Date	Evaluation report	Comment
Issue 0 from 29.12.2023	498/2023/04/ATEX	The release of the prime certificate.
Issue 1 from 30.07.2025	498-1/2025/04/ATEX	The introduction of Variation 1.

(17) Conditions of Manufacture

17.1 The terminals shall be used within their relevant temperature range, voltage and current limitations, and fitted in accordance with EN 60079-7 with regard to creepage distances and clearances by the manufacturer.

17.2 The power dissipation specified in Table 2 for each panel shall not be exceeded.

17.3 It is the manufacturer's responsibility to ensure that the appropriate Ex marking (including type of protection, equipment group, temperature class, EPL and ambient temperature range) shall be detailed on the name plate based on the internal configuration provided.

17.4 If breather/drain devices are provided they must be equipment certified and installed in their correct orientation in either the bottom face of the Local Control Panel. The operating temperature range and Ingress Protection rating of the Local Control Panel is limited to that of the breather/drain device fitted.

17.5 Manufacturer shall supply the relevant terminal manufacturer's instructions with each Local Control Panel covered by this certificate.

17.6 The Local Control Panels which contain both intrinsically and non-intrinsically safe circuits shall provide the clearance distance between bare conducting parts of intrinsically safe circuits and non-intrinsically safe circuits shall be at least 50 mm or as defined in EN 60079-11.

17.7 The Local Control Panels with intrinsically safe circuits should be marked with "WARNING – Intrinsically safe circuits" or technically equivalent text.

17.8 Below devices are only suitable for maximum ambient temperature of +55°C:

Contacts type 05-0003-00**/**** produced by BARTEC GmbH (CML 13ATEX3010U)

Actuator type 8602*3-***.*-***-***-**** produced by R. STAHL Schaltgeräte GmbH (PTB 13 ATEX 1019 U)

Certificate without signature is void. This certificate may only be reproduced in its entirety and without any change, schedule included. Extracts or modifications must be authorized by SIA ICQC.

Emergency Push button and Selector Switch type 800G-****-EX produced by Rockwell Automation
-Allen Bradley (CML 14ATEX3033U)

17.9 Cable and cable gland temperature rating should be +80°C.

(18) Specific conditions of use:

18.1 The Installation of intrinsically safe circuits in the junction boxes must fully comply with the requirements of the Cl. 16.5 EN 60079-14 current edition.

18.2 Terminal boxes which contain both intrinsically and non-intrinsically safe the clearance distance between bare conducting parts of intrinsically safe circuits and non-intrinsically safe circuits shall be at least 50 mm or as defined in EN 60079-11.

18.3 The terminal boxes with intrinsically safe circuits should be marked with "WARNING – Intrinsically safe circuits" or technically equivalent text.

18.4 All terminal screws, used and unused, shall be fully tightened down by the end user.

18.5 Insulation of conductors must extend to within 1mm of the metal of the terminal throat unless specified otherwise on the terminal certificate.

18.6 No more than one single or multi-stranded lead shall be connected to either side of any terminal unless multiple conductors have been joined in a suitable manner, e.g. two conductors into a single insulated bootlace ferrule, or any method indicated on the terminal certificate.

18.7 All terminals, and accessories such as cross-connectors, shall be installed in accordance with the terminal manufactures instructions.

18.8 Some enclosures are painted with non-conducting paint and may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.

18.9 Live maintenance is not permitted.

18.10 Cable and cable gland temperature rating should be +80°C.

18.11 For pre-certified Fuse terminal blocks types UK 10-DREHSI-EX (5 x 20), UK 10-DREHSI-EX (6.3 x 32), DT 6/2.5-DREHSI-EX (5 x 20), produced by PHOENIX CONTACT GmbH & Co (KEMA ATEX 0096U):

a. When assembling with other certified series and sizes and using the associated accessories, the required creepage distances and clearances have to be observed.

18.12 For pre-certified Spring type disconnecting Terminals, Spring and Screw types fuse Terminals, produced by Connectwell Industries Pvt. Ltd. (CSANe 21ATEX3070U):

a. The terminal blocks shall be mounted on either DIN 15, DIN 32 or DIN 35 Rails.

b. All terminal screws and nuts as applicable used shall be tightened down as per the torque values specified in the certificate.

c. For screw clamp / spring clamp / ground terminal blocks: When the device is mounted in a hazardous area, connection and disconnection of the device from the rail while live is only permitted if the potentially explosive atmosphere is shown to be absent. This restriction does not apply if the circuit is intrinsically safe.

d. For screw and spring disconnecting terminal blocks with hinge operated disconnecting knife: Disconnect terminals shall only be operated when the circuit is electrically isolated. This restriction does not apply if the circuit is intrinsically safe.

e. When used in intrinsically safe circuits, the terminals shall not be used for voltages above 60 V peak.

f. To avoid the risk of short-circuits between adjacent conductors in terminal blocks, the insulation of each conductor shall be maintained up to the metal of the terminal.

g. Proper care shall be taken for stranded wire type of connection in terminal blocks, so that conductors do not get damaged during installation

h. For screw clamp / spring clamp / ground terminal blocks: When the device is mounted in a hazardous area, connection and disconnection of the device from the rail while live is only permitted if the potentially explosive atmosphere is shown to be absent. This restriction does not apply if the circuit is intrinsically safe.

i. For screw and spring disconnecting terminal blocks with hinge operated disconnecting knife: Disconnect terminals shall only be operated when the circuit is electrically isolated. This restriction does not apply if the circuit is intrinsically safe.

j. Installation Instruction document shall be reviewed for additional conditions of use and warnings

k. When these terminal blocks are mounted, the minimum creepage and clearance distances with neighbouring terminal blocks and between the current bar & DIN-Rail shall be maintained as per the table below:

Voltage (V)	Creepage (mm)	Clearance (mm)
630	12	10
500	10	8
400	8	6
320	6.3	6

18.15 For pre-certified Ammeter/Voltmeter type CZ0205, produced by CZ Electric Co., Ltd (CML 19 ATEX 3395U):

a. The tightening torque of the wiring bolt is 1.2 Nm and the tightening torque of the EXM ammeter frame is 1.1 Nm.

18.16 For pre-certified, Lamp series CZ0202, produced by CZ Electric Co., Ltd (CML 19ATEX1176U):

a. The dimensions of the flameproof joints differ from those of EN/IEC 60079-1 Table 2 and therefore shall not be repaired.

18.17 For pre-certified, Switch Module type CZ0201, produced by CZ Electric Co., Ltd (CML 19ATEX1177U):

a. The dimensions of the flameproof joints differ from those of EN/IEC 60079-1 Table 2 and therefore shall not be repaired.

18.18 For pre-certified Fuse terminal block, certified vide IECEx KEM 10.0054U, Issue no. 1

a. When assembling with other certified series and sizes and using the associated accessories, the required creepage distances and clearances have to be observed.

18.19 For pre-certified, Operator head type CZ4000, produced by CZ Electric Co., Ltd (Sira 15ATEX3333U)

a. The CZ4000-M Calotte (glass window) and CZ4000-4019 safety latches presents a potential electrostatic hazard and as such shall be fitted to fixed installations only. They shall only be cleaned with a damp cloth.

b. The non-light transmitting units shall only be installed in low impact risk areas.

c. The devices shall only be cleaned with a damp cloth and site away from any static charging methods.

d. The components may be operated in an intrinsically safe or a non-intrinsically safe operation mode. The operation mode is specified in line with the specification of the product by the end user during installation. When the operation mode or the corresponding marking have been selected, these shall be permanent and shall not be changed during the entire life of the component.

18.20 For pre-certified devices, Contact element type 8082/3-**-**-, produced by R. STAHL Schaltgeräte GmbH (PTB 17 ATEX 1012 U):

a. The connecting cables of the contact element type 8082/3-**-** shall be fixed and routed so that it will be adequately protected against mechanical damage.

18.21 For pre-certified devices, Indicating lamp Typ 8010/6-**-**-, produced by R. STAHL Schaltgeräte GmbH (PTB 17 ATEX 1005 U):

a. The connecting cables of the contact element type 8082/3-**-** shall be fixed and routed so that it will be adequately protected against mechanical damage.

18.22 For Group IID application:

a. Dust layers shall be prevented from building up on the outside surface of the enclosure and the enclosure shall be routinely cleaned.

(19) Essential Health and Safety Requirements:

Met by compliance with the standards mentioned in clause (9).