

CERTIFICATE

Issued to:
Applicant:
Cooper Univel S.A.
88 Thessaloniki Street
601 00 Katerini, Greece

Licensee:
COOPER CSA S.R.L.
Via San Bovio 3 - Edificio Y
20090 Segrate (MI), Italy

Product : Luminaires for emergency lighting with LED light source
Trade name(s) : EATON, EATON CROMPTON, EATON JSB or EATON MENVIER
Type(s)/model(s) : ESC-3H-EC2 and OES-EX0363 series

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60598-1:2015, EN 60598-1:2015/AC:2015, EN 60598-1:2015/AC:2016, EN 60598-2-22:2014, EN 60598-2-22:2014/AC:2015 and EN 60598-2-22:2014/AC:2016-05
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 3504272

DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 14 March 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-103021

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Henk Barends
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

| | |
|-----------------------------------|---|
| Product | : Luminaires for emergency lighting with LED light source |
| Trade name(s) | : EATON, EATON CROMPTON, EATON JSB or EATON MENVIER |
| Type(s)/model(s) | : ESC-3H-EC2, ESC-3H-EC2-C, ESC-3H-EC2-J, ESC-3H-EC2-M, OES-EX0363, OES-EX0363-J and OES-EX0363-M |
| Supply voltage / nature of supply | : 230 Vac |
| Rated frequency | : 50/60 Hz |
| Ambient temperature | : $t_a = 40\text{ °C}$ |
| Degree of protection | : IP20 |
| Classification of use | : class II |
| Description | : Emergency luminaires with LED light source; suitable for ceiling mount. |

Product data – type ESC-3H-EC2, ESC-3H-EC2-C, ESC-3H-EC2-J and ESC-3H-EC2-M

Rated duration of emergency operation : 180 minutes

Product data – type OES-EX0363, OES-EX0363-J and OES-EX0363-M

Centrally supplied emergency luminaire : --

TESTS**Test requirements**

EN 60598-1:2015
EN 60598-1:2015/AC:2015
EN 60598-1:2015/AC:2016
EN 60598-2-22:2014
EN 60598-2-22:2014/AC:2015
EN 60598-2-22:2014/AC:2016-05

Test result

The test results are laid down in DEKRA test file 222363800.

Additional information

- The luminaires contain a LED module which is in compliance with EN 62031:2008 + A1:2013 + A2:2015 (tested as part of the appliance).
- The luminaires contain a LED driver which is in compliance with EN 61347-2-13:2014 and EN 61347-2-7:2012 used in conjunction with EN 61347-1:2015 (tested as part of the appliance).
- The luminaires contain a controller (easichck interface) unit which is in compliance with EN 61347-2-11:2001 in combination with EN 61347-1:2015 (tested as part of the appliance).

The list of components is laid down at test report 2223638.50.

Conclusion

The examination proved that all requirements were met.

Factory locations

Eaton Electrical Systems Limited
Wheatley Hall Road
Doncaster DN2 4NB, Great Britain

SC Cooper Industries Romania SRL
Zona Industriala Vest
Str. III, Nr. 12
310510 Arad, Romania

| Decentralized emergency luminaires | | | | | | |
|--|--------|---------------|-----------------|-------------------------------|---------------------|----------------------|
| Models | Series | Rated voltage | Rated frequency | Exit sign | Ambient temperature | Degree of Protection |
| ESC-3H-EC2 ESC-3H-EC2-C ESC-3H-EC2-J ESC-3H-EC2-M | Velos | 230 Vac | 50/60 Hz | ESP-IDD ESP-ILR ESP-IUU | 40 °C | IP20 |

| Centrally supplied emergency luminaires | | | | | | |
|--|--------|---------------|-----------------|-------------------------------|---------------------|----------------------|
| Models | Series | Rated voltage | Rated frequency | Exit sign | Ambient temperature | Degree of Protection |
| OES-EX0363 OES-EX0363-J OES-EX0363-M | Velos | 230 Vac | 50/60 Hz | ESP-IDD ESP-ILR ESP-IUU | 40 °C | IP20 |

| Models | Mode of operation | Rated duration | Battery | Facilities |
|--|-------------------|-------------------|-------------------|---|
| ESC-3H-EC2 ESC-3H-EC2-C ESC-3H-EC2-J ESC-3H-EC2-M | Maintained | 180 minutes | NiCd 4,8 V 1,7 Ah | Test device, Remote rest mode Inhibiting mode |
| OES-EX0363 OES-EX0363-J OES-EX0363-M | Mains | According CBS (#) | — | — |

Velos exit signs ESP-IDD; ESP-ILR; ESP-IUU

The suffix C corresponds to commercial name "Crompton"
 The suffix J corresponds to commercial name "JBS"
 The suffix M corresponds to commercial name "MENVIER"
 The suffix CBS corresponds to Central Battery Systems (#)