

CERTIFICATE

Issued to:
Applicant:
IMO Precision Controls Ltd.
1000 North Circular Road
NW2 7JP London, Great Britain

Product(s) : circuit-breakers for overcurrent protection
Trade name(s) : IMO
Type(s)/model(s) : B10 X XX XXA

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 60898-1:2003 +A1:2004 +A11:2005 +A12:2008 +A13:2012; IEC 60898-1:2002 +A1:2002 +A2:2003
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2092577

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

This certificate is issued on: 25 February 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2191053.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



H.L. Schendstok
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

| | | |
|--|---|--|
| product | : | circuit-breakers for overcurrent protection |
| trade name(s) | : | IMO |
| type(s) | : | B10 x xx xxA |
| rated current (In) | : | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A |
| range of instantaneous tripping current | : | B, C and D type |
| number of poles | : | 1P, 1P+N, 2P, 3P, 3P+N, 4P |
| protect poles | : | 1P 1 pole protected 1P+N 1 pole protected 2P 2 poles protected 3P+N 3 poles protected 4P 4 poles protected |
| rated voltage (Un) | : | 240 / 415 Vac (1P), 240 Vac (1P+N) 415 Vac (2P, 3P, 3P+N, 4P) |
| rated frequency | : | 50 / 60 Hz |
| rated service short-circuit capacity (Ics) | : | 7500 A |
| rated short-circuit capacity (Icn) | : | 10000 A |
| rated making and breaking capacity of individual pole (Icn1) | : | 10000 A |
| energy limiting class | : | Class 3 for B and C type 1 A to 40 A circuit breakers Class 1 for B and C type 50 A and 60 A circuit breakers |
| temperature limit | : | -5 °C ... + 40 °C |
| reference ambient temperature | : | +30 °C |
| method of mounting | : | flush-type, for mounting on top hat rail 35 mm (EN 50022) |
| degree of protection | : | IP20 |
| connection | : | screw type terminals |
| safety distance "a" | : | 45 mm |

Additional information

Structure of the type designation:

The first x denotes the tripping characteristic of the circuit-breaker. It can be B, C or D.

The middle xx denotes the number of poles:

- 10 - single pole
- 1N - single pole + N
- 20 - two poles
- 30 - three poles
- 3N - three poles + N
- 40 - four poles

The last xx denotes the rated current of the circuit-breaker. E.g. 16 means 16 A.

The national differences for Australia & New Zealand according to IEC 60898-1:2003(Edition 1.2) (National Standard AS-NZS-60898.1-2004) are considered.

TESTS**Test requirements**

EN 60898-1:2003 +A1:2004 +A11:2005 +A12:2008 +A13:2012
IEC 60898-1:2002 +A1:2002 +A2:2003

Test result

The test results are laid down in DEKRA test file 2191053.01 and test report No. 2184124.50.


Remarks

This certificate is based on KEMA-KEUR certificate No. 3308945.01 dated on 2015-12-07.

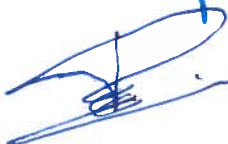
Conclusion

The examination proved that all test requirements were met.

Tested by : F. Fu



Checked by : F.S. Strikwerda

**Factory locations**

As laid down in KEMA-KEUR certificate No. 3308945.01.