


CERTIFICATE
FOR EUROPEAN PRODUCT SAFETY

Reference No. SE-S-2300822

Control circuit devices and switching elements - AC contactors

Type designation: MKH*****

Certificate holder: MeK-Tronics LLC
1320 Tower Road, Schaumburg, IL 60173
United States of America

The product complies with the standard(s): EN IEC 60947-4-1:2019

Date of expiry: 07 June, 2027

EU Directive information: According to the principle of presumption of conformity, this certificate constitutes support for an EU Declaration of Conformity to the Low Voltage Directive 2014/35/EU.

Additional information in Appendix

Certification Body: Intertek Semko AB, Product Certification **Place:** Kista - Stockholm

Signed:



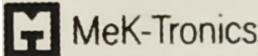
Date: 31 July, 2023

Henrik Wikström

APPENDIX:

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Technical Data:

Type designation	MKH*****
Frequency (Hz)	50/60Hz
Poles No.	1P, 2P, 3P, 4P
Trademark	
Test Report	230500309SHA-001, -002, -003
Product information	

All types of contactors have the same basic design.

Four frame sizes:

I: MKH*1X*04***, MKH*1X*02***, MKH*1X*01***, MKH*1X*00***

II: MKH*2X*04***, MKH*2X*02***, MKH*2X*01***, MKH*2X*00***

III: MKH*3X*04***, MKH*3X*02***, MKH*3X*01***, MKH*3X*00***

IV: MKH*4X*04***, MKH*4X*02***, MKH*4X*01***, MKH*4X*00***

Uc= Us= 24, 120, 240, 415V~; 50/60Hz; Ui= 600V; Uimp= 6kV

The screw-type terminals of products which rated 40A are pillar type and plug-in type.

The screw-type terminals of products which rated 20, 25, 30A are screw type and plug-in type.

Main circuit:

Type	MKH*1X*04***	MKH*1X*02***	MKH*1X*01***	MKH*1X*00***
	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)
AC-8a	240/40	240/30	240/25	240/20
AC-8b	240/15	240/10	240/8	240/7
AC-1	240/50	240/40	240/35	240/30
AC-3	240/40	240/30	240/25	240/20
	277/40	277/30	277/25	277/20
Ith (A)	50	40	35	30
Ir (A)	5000	5000	5000	5000
Iq (A)	5000	5000	5000	5000

Type	MKH*2X*04***	MKH*2X*02***	MKH*2X*01***	MKH*2X*00***
	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)
AC-8a	240/40	240/30	240/25	240/20
AC-8b	240/15	240/10	240/8	240/7
AC-1	240/50	240/40	240/35	240/30
AC-3	240/40	240/30	240/25	240/20
	277/40	277/30	277/25	277/20
Ith (A)	50	40	35	30
Ir (A)	5000	5000	5000	5000
Iq (A)	5000	5000	5000	5000

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Type	MKH*3X*04***	MKH*3X*02***	MKH*3X*01***	MKH*3X*00***
	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)
AC-8a	415/40	415/30	415/25	415/20
AC-8b	415/15	415/10	415/8	415/7
AC-1	415/50	415/40	415/35	415/30
AC-3	277/40	277/30	277/25	277/20
	415/40	415/30	415/25	415/20
Ith (A)	50	40	35	30
Ir (A)	3000	3000	3000	3000
Iq (A)	5000	5000	5000	5000

Type	MKH*4X*04***	MKH*4X*02***	MKH*4X*01***	MKH*4X*00***
	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)	Ue (V)/ Ie (A)
AC-8a	415/40	415/30	415/25	415/20
AC-8b	415/15	415/10	415/8	415/7
AC-1	415/50	415/40	415/35	415/30
AC-3	277/40	277/30	277/25	277/20
	415/40	415/30	415/25	415/20
Ith (A)	50	40	35	30
Ir (A)	3000	3000	3000	3000
Iq (A)	5000	5000	5000	5000

Coil code:

Coil code	Q	T	U	D
Coil voltage (V a.c.)	24	120	240	415
Frequency (Hz)	50/60	50/60	50/60	50/60

Explanation for the mode / type:

MKH * * * * * * * *
1 2 3 4 5 6 7 8

1: Prefix: MKH - MeK-Tronics Definite Purpose Contactor for HVAC applications

2: Pack Code: - = Normal factory bulk packaging

Y = Individual box packaging

E = Individual box for EXPORT only as specified on drawing ; box of heavy brown corrugated w/ special design label

A to Z = Any assigned non standard packaging of OEM or Distribution

3: Pole Form Code: = 1X : 1 Pole Normally Open w/ shunt

= 2X : 2 Pole Normally Open

= 3X : 3 Pole Normally Open

= 4X : 3 Pole Normally Open

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4: Coil Voltage Code: Q = 24 VAC 50/60Hz
T = 120 VAC 50/60Hz
U = 240 VAC 50/60Hz
D = 415 VAC 50/60Hz

5: Contact Rating Code: 00: 20 FLA
01: 25 FLA
02: 30 FLA
04: 40 FLA

6: Termination Code: AA = Std. #10-32 Combo Screw (one and two pole) Quad 1/4" Q.C.
BB = Same as AA except optional SEMS plate
CC = #14 to 4 LUG w/ dual Q.C.
DD = Std. #10-32 Combo Screw, no QC terminals
EE = SEMS combo screw w/o QC terminals
FF = #14 to 4 Lug w/o QC terminals
GG = #14 to 4 LUG with quad QC terminals
VV = dual vertical quick connects no screws or lugs
Three Pole standard termination is designated by:
CY = Standard #10-32 Combination Screw w/ dual .250" Q.C. terminals
CG = #14 - 4 Lug w/ dual Q.C.
CJ = #14 - 2 Lug with dual Q.C. terminals
XX = Other Combinations as specials & factory assigned designators made from existing termination listing

7: 100 - 999 MeK-tronics assigned customer specific designation for a qualified customer special in marking, termination, or other significant variation from the standard construction. When blank, no options apply.

8: Optional Code: A - AAAA or 0 - 9999

Note: Cover is optional on 20-30A devices ("C" required in model number), but cover is required on 40A devices

(no "C" in model number required)

Manufacturing Sites: 30,489

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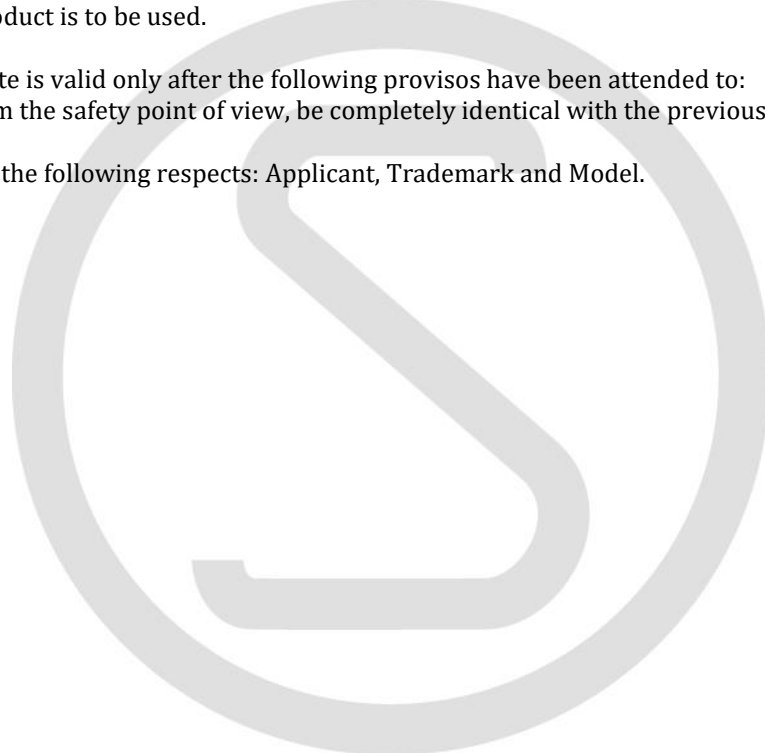
According to the principle of presumption of conformity, this certificate, which includes production control, constitutes support for an EU Declaration of Conformity to the Low Voltage Directive 2014/35/EU. This presumption can expire before end of validity of this certificate due to new issued Standard or Amendment and changes within the EU legislation.

The instruction for use shall be written in a language acceptable according to the national regulation in the country where the product is to be used.

However, the certificate is valid only after the following provisos have been attended to:

The product shall, from the safety point of view, be completely identical with the previously certified type SA-***-***.***.

The product differs in the following respects: Applicant, Trademark and Model.



Certification Body:

Intertek Semko AB, Product Certification

Place: Kista - Stockholm

Signed:

Date: 31 July, 2023

Henrik Wikström