



C E R T I F I C A T E

ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.

2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Korea Auto Controls Co., Ltd.

Company Address : 66, Geonji-ro 250 Beon-gil, Seo-gu, Incheon, S.Korea.

Manufacturer Name : Zhejiang Kacon Electric Co., Ltd.

Manufacturer Address : No.211 Weft Twelve Road, Economic Development Zone,
Yueqing, Zhejiang Province, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 60947-5-1:2017, EN 55014-1:2017+A11:2020
EN 55014-2:2015, EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019

Product Name : Control Switch

Report No and Date : TLZJ21032529864, TEZJ21032529865

Product Brand/Model/Type : F16 Series, F160 Series

Certificate Number : M.2021.206.C63899

Initial Assessment Date : 21.04.2021

Registration Date : 22.04.2021

Reissue Date/No : -

Expiry Date : 21.04.2026


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NKCR2.E305574 - Auxiliary Devices - Component

Auxiliary Devices - Component

See General Information for Auxiliary Devices - Component

KOREA AUTO CONTROLS CO LTD

E305574

66 GEONJI-RO 250BEON-GIL SEO-GU
INCHEON, 22837 REPUBLIC OF KOREA

Investigated to ANSI/UL 508

Buttons self locking, "K16 Series" Model(s) K16-311*, K16-312*, K16-321*, K16-322*, K16-331*, K16-332*, K16-371*, K16-372*, K16-381*, K16-382*, K16-391*, K16-392*

Buttons self righting, "K16 Series" Model(s) K16-211*, K16-212*, K16-221*, K16-222*, K16-231*, K16-232*, K16-271*, K16-272*, K16-281*, K16-282*, K16-291*, K16-292*

Buzzers, "K16 Series" Model(s) K16-BZ10B, K16-BZ10K, K16-BZ20B, K16-BZ20K, K16-BZ30B, K16-BZ30K, K16-BZ70RD, K16-BZ80RD, K16-BZ90RD

Buzzers Model(s) T19 followed by CZC followed by R, G, B, W, Y or NIL, and followed by NIL or G

T19 followed by CZCL followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T19, followed by BZ followed by 1, followed by R, G, B, W, Y or S, and followed by NIL or G.

T19, followed by BZL followed by 1, followed by R, G, B, W, Y or S, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

Illuminated push button switches Model(s) F16 followed by 2, 3, 8 or 9, followed by 7, 8 or 9, followed by 1, followed by Nil, R, G, Y, W, B, K, M or C, followed by Nil, B, E, G, O, V, R, T, W or Y.

M16, followed by 2, 3, 8 or 9, followed by 7, 8 or 9, followed by 1, followed by Nil, R, G, Y, W, B, K, M or C, followed by Nil, B, E, G, O, V, R, T, W or Y.

Indicator lamps, "K16 Series" Model(s) K16-170*, K16-180*, K16-190*

Indicator lamps Model(s) F16 followed by -1, followed by 7, 8 or 9, followed by 0, followed by R, G, Y, W, B, K, M or C, may be followed by B, E, G, O, V, R, T, W or Y.

M16 followed by -1, followed by 7, 8 or 9, followed by 0, followed by R, G, Y, W, B, K, M or C, may be followed by B, E, G, O, V, R, T, W or Y.

Indicator Lamps Model(s) T08 followed by 1, followed by 7, followed by 0, followed by AD, K, Q or D, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T12 followed by 1, followed by 7, followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T16 followed by 1, followed by 7 followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T16 followed by 1, followed by 7, followed by 0, followed by NIL, D or HD, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, followed by NIL, and followed by NIL or G.

T19 followed by 1 followed by 7, followed by 0, followed by NIL,D or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T19 followed by 1, followed by 7, followed by 0, followed by HQ or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T22 followed by 1 followed by 7, followed by 0, followed by NIL,D,HC or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T22 followed by 1, followed by 7, followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T25 followed by 1 followed by 7, followed by 0, followed by NIL,D,HC or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T25 followed by 1, followed by 7, followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T30 followed by 1, followed by 7, followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

Key button switches, "K16 Series" Model(s) K16-611K, K16-612K, K16-621K, K16-622K, K16-631K, K16-632K, K16-711K, K16-712K, K16-721K, K16-722K, K16-731K, K16-732K

Key selector switches Model(s) T19 followed by 6 or 7 followed by 1, followed by 1 or 2, followed by R, G, B, W, Y or NIL, and followed by NIL or G.

Mushroom head switches, "K16 Series" Model(s) K16-911*, K16-912*, K16-921*, K16-922*, K16-931*, K16-932*, K16-971*, K16-972*, K16-981*, K16-982*, K16-991*, K16-992*

Push button switches Model(s) F16 or M16, followed by 2, 3, 8 or 9, followed by 1, 2 or 3, followed by 1, followed by Nil, R, G, Y, W, B, K, M or C, followed by Nil, B, E, G, O, V, R, T, W or Y.

T16 followed by 2 or 3 followed by 1 or 7, followed by 1 or 2, followed by NIL, H, A, HC,D, or HD, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, followed by NIL, and followed by NIL or G.

Push button switches Model(s) T12E followed by 2, followed by 1 followed by 3, followed by H or A, followed by S or P, followed by R, G, B, W, Y or NIL, and followed by NIL or G.

T12E followed by 2, followed by 7 followed by 3, followed by HC,NIL,D or HD, followed by P, followed by R, G, B, W, Y or NIL, followed by D03, and followed by NIL or G.

T16E followed by 2, followed by 1 followed by 3, followed by NIL,H, or A, followed by S or P, followed by R, G, B, W, Y or NIL, and followed by NIL or G.

T16E followed by 2, followed by 7 followed by 3, followed by HC,NIL,D or HD, followed by P, followed by R, G, B, W, Y or NIL, followed by D03, and followed by NIL or G.

T19 followed by 2 or 3 followed by 1 or 7, followed by 1 or 2, followed by NIL,H,A,HC ,D or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T19E followed by 2, followed by 1, followed by 3, followed by NIL,H, or A, followed by S, P or F, followed by R, G, B, W, Y or NIL, and followed by NIL or G.

T22 followed by 2 or 3 followed by 1 or 7, followed by 1, followed by NIL, H, A, HC, D or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T25 followed by 2 or 3 followed by 1 or 7, followed by 1 or 2, followed by NIL, H, A, HC, D or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

Rapid cease button switches, "K16 Series" Model(s) K16-811*, K16-812*, K16-821*, K16-822*, K16-831*, K16-832*, K16-871*, K16-872*, K16-881*, K16-882*, K16-891*, K16-892*

Rotary Switches Model(s) T19, followed by 8 followed by 1, followed by 1 or 2, followed by NIL or A, and followed by NIL or G.

Selector switches, "K16 Series" Model(s) K16-411K, K16-412K, K16-421K, K16-422K, K16-431K, K16-432K, K16-511K, K16-512K,

K16-521K, K16-522K, K16-531K, K16-532K

Selector switches Model(s) F16 or M16, followed by 4, 5, 6 or 7 followed by 1, 2 or 3, followed by 1, 2 or 3, followed by Nil, B, E, G, O, V, R, T, W or Y, followed by Nil, 2, 0, 3, 7, 6 or 1, followed by Nil, A, B, C, D, E, F or G.

T19 followed by 4 or 5 followed by 1 or 7, followed by 1 or 2, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

* - Followed by XXX which represents cover colour, lamp voltage, cover surface.

Marking: Company name or trademark  ,  and model designation.

Last Updated on 2019-03-27

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NKCR8.E305574 - Auxiliary Devices Certified for Canada - Component

Auxiliary Devices Certified for Canada - Component

See General Information for Auxiliary Devices Certified for Canada - Component

KOREA AUTO CONTROLS CO LTD

E305574

66 GEONJI-RO 250BEON-GIL SEO-GU
INCHEON, 22837 REPUBLIC OF KOREA

Investigated to CAN/CSA C22.2 No. 14-13

Buzzers Model(s) T19 followed by CZC followed by R, G, B, W, Y or NIL, and followed by NIL or G

T19 followed by CZCL followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T19, followed by BZ followed by 1, followed by R, G, B, W, Y or S, and followed by NIL or G.

T19, followed by BZL followed by 1, followed by R, G, B, W, Y or S, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

Indicator Lamps Model(s) T08 followed by 1, followed by 7, followed by 0, followed by AD, K, Q or D, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T12 followed by 1, followed by 7, followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T16 followed by 1, followed by 7 followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T16 followed by 1, followed by 7, followed by 0, followed by NIL, D or HD, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, followed by NIL, and followed by NIL or G.

T19 followed by 1 followed by 7, followed by 0, followed by NIL, D or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T19 followed by 1, followed by 7, followed by 0, followed by HQ or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T22 followed by 1 followed by 7, followed by 0, followed by NIL, D, HC or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T22 followed by 1, followed by 7, followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T25 followed by 1 followed by 7, followed by 0, followed by NIL, D, HC or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T25 followed by 1, followed by 7, followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T30 followed by 1, followed by 7, followed by 0, followed by K or Q, followed by P, followed by R, G, B, W or Y, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

Key selector switches Model(s) T19 followed by 6 or 7 followed by 1, followed by 1 or 2, followed by R, G, B, W, Y or NIL, and followed by NIL or G.

Push button switches Model(s) T12E followed by 2, followed by 1 followed by 3, followed by H or A, followed by S or P, followed by R, G, B, W, Y or NIL, and followed by NIL or G.

T12E followed by 2, followed by 7 followed by 3, followed by HC, NIL, D or HD, followed by P, followed by R, G, B, W, Y or NIL, followed by D03, and followed by NIL or G.

T16E followed by 2, followed by 1 followed by 3, followed by NIL, H, or A, followed by S or P, followed by R, G, B, W, Y or NIL, and followed by NIL or G.

T16E followed by 2, followed by 7 followed by 3, followed by HC, NIL, D or HD, followed by P, followed by R, G, B, W, Y or NIL, followed by D03, and followed by NIL or G.

T19 followed by 2 or 3 followed by 1 or 7, followed by 1 or 2, followed by NIL, H, A, HC, D or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T19E followed by 2, followed by 1, followed by 3, followed by NIL, H, or A, followed by S, P or F, followed by R, G, B, W, Y or NIL, and followed by NIL or G.

T22 followed by 2 or 3 followed by 1 or 7, followed by 1, followed by NIL, H, A, HC, D or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

T25 followed by 2 or 3 followed by 1 or 7, followed by 1 or 2, followed by NIL, H, A, HC, D or AC, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

Rotary Switches Model(s) T19, followed by 8 followed by 1, followed by 1 or 2, followed by NIL or A, and followed by NIL or G.

Selector switches Model(s) T19 followed by 4 or 5 followed by 1 or 7, followed by 1 or 2, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, and followed by NIL or G.

Investigated to CAN/CSA C22.2. No. 14-10

Buttons self locking, "K16 Series" Model(s) K16-311*, K16-312*, K16-321*, K16-322*, K16-331*, K16-332*, K16-371*, K16-372*, K16-381*, K16-382*, K16-391*, K16-392*

Buttons self righting, "K16 Series" Model(s) K16-211*, K16-212*, K16-221*, K16-222*, K16-231*, K16-232*, K16-271*, K16-272*, K16-281*, K16-282*, K16-291*, K16-292*

Buzzers, "K16 Series" Model(s) K16-BZ10B, K16-BZ10K, K16-BZ20B, K16-BZ20K, K16-BZ30B, K16-BZ30K, K16-BZ70RD, K16-BZ80RD, K16-BZ90RD

Illuminated push button switches Model(s) F16 followed by 2, 3, 8 or 9, followed by 7, 8 or 9, followed by 1, followed by Nil, R, G, Y, W, B, K, M or C, followed by Nil, B, E, G, O, V, R, T, W or Y.

M16, followed by 2, 3, 8 or 9, followed by 7, 8 or 9, followed by 1, followed by Nil, R, G, Y, W, B, K, M or C, followed by Nil, B, E, G, O, V, R, T, W or Y.

Indicator lamps, "K16 Series" Model(s) K16-170*, K16-180*, K16-190*

Indicator lamps Model(s) F16 followed by -1, followed by 7, 8 or 9, followed by 0, followed by R, G, Y, W, B, K, M or C, may be followed by B, E, G, O, V, R, T, W or Y.

M16 followed by -1, followed by 7, 8 or 9, followed by 0, followed by R, G, Y, W, B, K, M or C, may be followed by B, E, G, O, V, R, T, W or Y.

Key button switches, "K16 Series" Model(s) K16-611K, K16-612K, K16-621K, K16-622K, K16-631K, K16-632K, K16-711K, K16-712K, K16-721K, K16-722K, K16-731K, K16-732K

Mushroom head switches, "K16 Series" Model(s) K16-911*, K16-912*, K16-921*, K16-922*, K16-931*, K16-932*, K16-971*, K16-972*, K16-981*, K16-982*, K16-991*, K16-992*

Push button switches Model(s) F16 or M16, followed by 2, 3, 8 or 9, followed by 1, 2 or 3, followed by 1, followed by Nil, R, G, Y, W, B, K, M or C, followed by Nil, B, E, G, O, V, R, T, W or Y.

T16 followed by 2 or 3 followed by 1 or 7, followed by 1 or 2, followed by NIL, H, A, HC,D, or HD, followed by R, G, B, W, Y or NIL, followed by D4, D12, D06, A1 or A2, followed by NIL, and followed by NIL or G.

Rapid cease button switches, "K16 Series" Model(s) K16-811*, K16-812*, K16-821*, K16-822*, K16-831*, K16-832*, K16-871*, K16-872*, K16-881*, K16-882*, K16-891*, K16-892*

Selector switches, "K16 Series" Model(s) K16-411K, K16-412K, K16-421K, K16-422K, K16-431K, K16-432K, K16-511K, K16-512K, K16-521K, K16-522K, K16-531K, K16-532K

Selector switches Model(s) F16 or M16, followed by 4, 5, 6 or 7 followed by 1, 2 or 3, followed by 1, 2 or 3, followed by Nil, B, E, G, O, V, R, T, W or Y, followed by Nil, 2, 0, 3, 7, 6 or 1, followed by Nil, A, B, C, D, E, F or G.

* - Followed by XXX which represents cover colour, lamp voltage, cover surface.

Marking: Company name or trademark  ,  , model designation and the
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Last Updated on 2019-03-27

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依据的强制性产品认证规则: CNCA-C03-02:2014 低压元器件
产品名称: 按钮开关
产品系列、型号、规格: (见附页)
依据的标准: GB/T14048.5-2017
生产企业名称: 浙江开控电气有限公司
生产企业地址: 浙江省乐清经济开发区纬十二路211号

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指定签字人: 程苗
签章: 程苗

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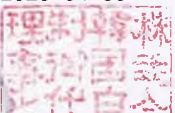
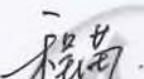


自我声明编号: 2020970305000576

产品系列、型号、规格:

F16-□□□; Uimp: 2.5kV; Ui: 250V; Ith: 5A; AC-13; Ue/Ie: AC250V/0.7A, AC125V/1A; DC-12: DC125V/0.2A; 安装孔径: $\Phi 16\text{mm}$; 型号解释见附件

生产者联系信息

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自我声明地点: 
指定签字人: 
签章:

授权代表信息

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注: 有关本声明信息真伪可登录全国认证认可信息公共服务平台 (cx.cnca.cn) 或扫描右上角二维码查询。