



NRNT2.E108430 Switches, Industrial Control - Component

[Page Bottom](#)

Switches, Industrial Control - Component

[See General Information for Switches, Industrial Control - Component](#)

COSMO ELECTRONICS CORP

E108430

8TH FL
258 LIAN CHENG RD
CHUNG HO, TAIPEI HSIEN 235 TAIWAN

Investigated to ANSI/UL 508

Industrial control switches Model(s) CG1 followed by A or B, followed by 03, 05, 06, 09, 12 or 24, followed by 0, followed by 0 or C, followed by 00-99.

KEM-5 may be followed by H followed by 5, 12 or 24 may be followed by additional numbers or letters.

Type D, DH, DS or S followed by 1A, 2A, 1B or 1C followed by 05, 12 or 24 followed by 0, 1 or 2 followed by 0, D, M or X may be followed by numeric suffixes.

Magnetic reed relays, "G Series" Model(s) G, followed by 1A or 2A, followed by 12 followed by 0000, 1000 or 2000.

Magnetic reed relays Model(s) SS followed by 1A, 1B or 1C followed by 05, 12 or 24 followed by 0 followed by 0, D, M or X may be followed by numeric suffixes.

Photo-Mos relays, "A, A2 Series" Model(s) KHSSR8400, KLCA110, KLCB110, KLH1056, KLH1056A, KLH1501, KLH1501A, KLH1516, KLH1516A, KLH1540, KLH1540A, KLPA110, KPS7141-1A, KTLP795G, V210AXXX*, V210XXX*, V212AXXX*, V212XXX*, V214AXXX*, V214XXX*, V414AXXX*, V414XXX*

Photo-Mos relays, "B Series" Model(s) KAQV210S, KAQV214S, KAQV414S, KTLP197G, V210S, V214S, V414S

Photo-Mos relays, "C, C2 Series" Model(s) KLAA110, KLBA110, KLBB110, KLCC110, KLH1502AXXX, KLH1502XXX, KLH1520AXXX, KLH1520XXX, KLH1521AXXX, KLH1521XXX, KLH1524AXXX, KLH1524XXX, KLH1529AXXX, KLH1529XXX, KPAA110, KPS7141-2A, KTS117, KTS190, W210*, W210A*, W214*, W214A*, W414*, W414A*, W614*, W614A*

Photo-Mos relays, "D Series" Model(s) W210S(X)*, W210TS(X)*, W214S(X)*, W414S(X)*, W614S(X)*

Photo-Mos relays, "E Series" Model(s) Y210X(a)*, Y214X(a)*, Y414X(a)*

Solid state relays Model(s) KSD210AC8, KSD215AC8, KSD225AC8, KSD240AC8, KSD425AC8, KSD440AC8

Solid state relays, MOSFET output, "KAQ Series" Model(s) Y, V or W followed by 2 followed by 12 or 17 followed by A, S, SE or blank may be followed by 4 bits internal control numbers with or without prefix KAQ.

Y, V or W followed by 2, or 4 followed by 12, 13, 53 or 54 followed by A, S, or blank may be followed by 4 bits internal control numbers with or without Prefix KAQ.


Solid state relays, MOSFET output Model(s) 1008, 1017, KCP1008, KCP1017, KSA210AC8, KSA215AC8, KSA225AC8, KSA240AC8, KSA425AC8, KSA440AC8, KSD203AC2, KSD203AC3, KSD203DC2, KSD205AC3, KSD210AC3

(a) - Represents A, AB, B, S, SB or blank.

(X) - Represents any letter, number or blank.

* - Optional prefix KAQ.

XXX - Represents any letters and/or numbers.

Marking: Company name or tradename "COSMO" , "KUAN HSI" or trademark  and catalog designation on the product or on the smallest unit container in which the product is packaged.

[Last Updated](#) on 2013-01-29



FPQU2.E169586 Optical Isolators - Component

[Page Bottom](#)

Optical Isolators - Component

[See General Information for Optical Isolators - Component](#)

COSMO ELECTRONICS CORP

E169586

8TH FL
258 LIAN CHENG RD
CHUNG HO, TAIPEI HSIEN 235 TAIWAN

Optical isolators, double protection type, rated 5000 Vac.

Types 1010X, 2010X, and 2110X, where X is an optional suffix, with or without Prefix K or KP; and Type KH11D1X, where X is an optional suffix, with or without prefix K.

Types 1010X-1, 2010X-1, and 2110X-1 with or without prefix K or KP; and KH11D1X-1, with or without prefix K, where X is an optional suffix.

Cat. Nos. 1020X, 1040X, 1110X, 3020X, 3040X, 4010X, 4020X, 4040X, 5010X, 6010X, 7010X, 7110X, with or without prefix KP. X may be S, H or blank.

Optical isolators, double protection type, providing 5000 V ac isolation, Models KPC6N135X, KPC6N136X, KPC6N138X, KPC6N139X.

Cat. No. 3010X with or without prefix K or KP. X may be S, H or blank.

Cat. Nos. 814X, 817X, 824X, 827X, 844X, 847X, 852X, 853X, 8D52X, 8Q52X, 725VX, 733X, 932X, 933X, 4N33X, with or without prefix KPC. X may be S, H or blank.

Cat. Nos. KPC815X, KPC825X, KPC845X.

Optical isolators, double protection type, providing 3750 V ac isolation, Cat. Nos. KPS2801, KPS2802, KPS2805, KPS2806, KPS2832.

Optical isolators, double protection type, rated 3750 Vac.

Cat. Nos. KPC353T, 353T, KPC354NT, 354NT, KPC357NT, 357NT, KPC452, 452, KPC355NT, 355NT.

Optical isolators, double protection type, providing 3750 V ac isolation, Cat. Nos. 160G, 160J, 161G, 161J, 165J, 166J, 168J with or without prefix KTLP.

Optical isolator providing 3750 V ac isolation, Type 260J with or without prefix KTLP.

Optical isolators, double protection type, providing 5300 V ac isolation, Types 3051X, 3052X and 3053X, with or without prefix KMOC; X may be S, H or blank.

Optical isolators, double protection type, providing 5000 V ac isolation, Models V213, V213A, W213, W213A, Y213, Y213A, V216, V216A, W216, W216A, Y216, Y216A, V253, V253A, V254, V254A, V412, V412A, W412, W412A, Y412, Y412A, W612, W612A may be followed by any additional numbers or letters. All models may be prefixed with KAQ.

Optical isolators, double protection type, providing 1500 V ac isolation, Models V213S, W213S, Y213S, V216S, W216S, Y216S, V412S, W412S, Y412S, W612S may be followed by any additional numbers or letters. All models may be prefixed with KAQ.

Optical isolator, double protection type, providing 5000 V ac isolation, Models 6N137, may be prefixed with KPC; Models 851, 1210, 1510, may be prefixed with KP or KPC; Models 250, 350, 351, may be prefixed with KTLP. All models may be suffixed with any letter.

Optical isolator, double protection type, providing 5300 V ac isolation, Models 3502, 3503, 3506, 3507, 3616, 3617, may be prefixed with KTLP. All models may be suffixed with any letter.

Optical isolator, double protection type, providing 3750 V ac isolation, Models 410, 457, may be prefixed with KPC; Model 161L, may be prefixed with KTLP. All models may be suffixed with any letter.

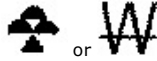
Optical isolators, double protection type, providing 5000 V ac isolation, Models 10XX, 11XX, 12XX, 13XX, 14XX, 16XX, where XX represents current transfer ratio (CTR) ranking from 00 through ZZ, may be prefixed with KT. All models may be followed by any letter and/or number.



Optical isolators, double protection type, rated 5300 Vac.

Cat. No. 4N35X, with or without prefix KPC, where X is an optional suffix.

Cat. Nos. 3010X, 3011X, 3012X, 3020X, 3021X, 3022X, 3023X, 3031X, 3032X, 3033X, 3041X, 3042X, 3043X, 3061X, 3062X, 3063X, 3081X, 3082X, 3083X, 3162X, 3163X, with or without prefix KMOC, where X is an optional suffix.

Cat. Nos. 3010X-1, 3011X-1, 3012X-1, 3020X-1, 3021X-1, 3022X-1, 3023X-1, 3031X-1, 3032X-1, 3033X-1, 3041X-1, 3042X-1, 3043X-1, 3061X-1, 3062X-1, 3063X-1, 3081X-1, 3082X-1, 3083X-1, 3162X-1, 3163X-1 with or without prefix KMOC. X may be S, H or blank.



Marking: Company name or trademark  or  or "cosmo" and catalog designation.

Last Updated on 2012-11-26

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

◆ 2012 UL LLC

When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the [UL Environment database](#) for additional information regarding this product's certification.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2012 UL LLC".



FPQU8.E169586 Optical Isolators Certified for Canada - Component

[Page Bottom](#)

Optical Isolators Certified for Canada - Component

[See General Information for Optical Isolators Certified for Canada - Component](#)

COSMO ELECTRONICS CORP

E169586

8TH FL
258 LIAN CHENG RD
CHUNG HO, TAIPEI HSIEN 235 TAIWAN

Optical isolators, double protection type, rated 5000Vac.

Types 1010X, 2010X, and 2110X, where X is an optional suffix, with or without Prefix K or KP; and Type KH11D1X, where X is an optional suffix, with or without prefix K.

Types 1010X-1, 2010X-1, and 2110X-1 with or without prefix K or KP; and KH11D1X-1, with or without prefix K, where X is an optional suffix.

Cat. Nos. 1020X, 1040X, 1110X, 3020X, 3040X, 4010X, 4020X, 4040X, 5010X, 6010X, 7010X, 7110X, with or without prefix KP. X may be S, H or blank.

Cat. No. 3010X with or without prefix K or KP. X may be S, H or blank.

Cat. Nos. 814X, 817X, 824X, 827X, 844X, 847X, 852X, 853X, 8D52X, 8Q52X, 725VX, 733X, 932X, 933X, 4N33X, with or without prefix KPC. X may be S, H or blank.

Optical isolators, double protection type, providing 5000 V ac isolation, Cat. Nos. KPC6N135X, KPC6N136X, KPC6N138X, KPC6N139X.

Cat. Nos. KPC815X, KPC825X, KPC845X.

Optical isolator, double protection type, providing 3750 V ac isolation , Cat. Nos. KPS2801, KPS2802, KPS2805, KPS2806, KPS2832.

Optical isolator, double protection type, providing 3750 V ac isolation, Cat. Nos. 160G, 160J, 161G, 161J, 165J, 166J, 168J, 260J with or without prefix KTLP.

Optical isolators, double protection type, providing 5300 V ac isolation , Types 3051X, 3052X and 3053X, with or without prefix KMOC; X may be S, H or blank.

Optical isolators, double protection type, providing 5000 V ac isolation, Models V213, V213A, W213, W213A, Y213, Y213A, V216, V216A, W216, W216A, Y216, Y216A, V253, V253A, V254, V254A, V412, V412A, W412, W412A, Y412, Y412A, W612, W612A may be followed by any additional numbers or letters. All models may be prefixed with KAQ.

Optical isolators, double protection type, providing 1500 V ac isolation, Models V213S, W213S, Y213S, V216S, W216S, Y216S, V412S, W412S, Y412S, W612S may be followed by any additional numbers or letters. All models may be prefixed with KAQ.

Optical isolator, double protection type, providing 5000 V ac isolation , Models 6N137, may be prefixed with KPC; Models 851, 1210, 1510, may be prefixed with KP or KPC; Models 250, 350, 351, may be prefixed with KTLP. All models may be suffixed with any letter.

Optical isolator, double protection type, providing 5300 V ac isolation, Models 3502, 3503, 3506, 3507, 3616, 3617, may be prefixed with KTLP. All models may be suffixed with any letter.

Optical isolator, double protection type, providing 3750 V ac isolation, Models 410, 457, may be prefixed with KPC; Model 161L, may be prefixed with KTLP. All models may be suffixed with any letter.



Optical isolators, double protection type, providing 5000 V ac isolation, Models 10XX, 11XX, 12XX, 13XX, 14XX, 16XX, where XX represents current transfer ratio (CTR) ranking from 00 through ZZ, may be prefixed with KT. All models may be followed by any letter and/or number.

Optical isolators, double protection type, rated 5300 Vac.

Cat. No. 4N35X, with or without prefix KPC, where X is an optional suffix.

Cat. Nos. 3010X, 3011X, 3012X, 3020X, 3021X, 3022X, 3023X, 3031X, 3032X, 3033X, 3041X, 3042X, 3043X, 3061X, 3062X, 3063X, 3081X, 3082X, 3083X, 3162X, 3163X, with or without prefix KMOC, where X is an optional suffix.

Cat. Nos. 3010X-1, 3011X-1, 3012X-1, 3020X-1, 3021X-1, 3022X-1, 3023X-1, 3031X-1, 3032X-1, 3033X-1, 3041X-1, 3042X-1, 3043X-1, 3061X-1, 3062X-1, 3063X-1, 3081X-1, 3082X-1, 3083X-1, 3162X-1, 3163X-1 with or without prefix KMOC. X may be S, H or blank.

Marking: Company name or trademark  or  or "cosmo" or catalog designation and Recognized Component Mark for Canada,



Last Updated on 2012-11-26

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

◆ 2012 UL LLC

When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the [UL Environment database](#) for additional information regarding this product's certification.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2012 UL LLC".

◆ 2013 UL LLC

When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the [UL Environment database](#) for additional information regarding this product's certification.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2013 UL LLC".

**NRNT8.E108430****Switches, Industrial Control Certified for Canada - Component**[Page Bottom](#)**Switches, Industrial Control Certified for Canada - Component**[See General Information for Switches, Industrial Control Certified for Canada - Component](#)**COSMO ELECTRONICS CORP**

E108430

8TH FL
258 LIAN CHENG RD
CHUNG HO, TAIPEI HSIEN 235 TAIWAN

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

Industrial control switches Model(s) CG1 followed by A or B, followed by 03, 05, 06, 09, 12 or 24, followed by 0, followed by 0 or C, followed by 00-99.

KEM-5 may be followed by H followed by 5, 12 or 24 may be followed by additional numbers or letters.

Type D, DH, DS or S followed by 1A, 2A, 1B or 1C followed by 05, 12 or 24 followed by 0, 1 or 2 followed by 0, D, M or X may be followed by numeric suffixes.

Magnetic reed relays, "G Series" Model(s) G, followed by 1A or 2A, followed by 12 followed by 0000, 1000 or 2000.

Magnetic reed relays Model(s) SS followed by 1A, 1B or 1C followed by 05, 12 or 24 followed by 0 followed by 0, D, M or X may be followed by numeric suffixes.

Photo-Mos relays, "A, A2 Series" Model(s) KHSSR8400, KLCA110, KLCB110, KLH1056, KLH1056A, KLH1501, KLH1501A, KLH1516, KLH1516A, KLH1540, KLH1540A, KLPA110, KPS7141-1A, KTLP795G, V210AXXX*, V210XXX*, V212AXXX*, V212XXX*, V214AXXX*, V214XXX*, V414AXXX*, V414XXX*

Photo-Mos relays, "B Series" Model(s) KAQV210S, KAQV214S, KAQV414S, KTLP197G, V210S, V214S, V414S

Photo-Mos relays, "C, C2 Series" Model(s) KLAA110, KLBA110, KLBB110, KLCC110, KLH1502AXXX, KLH1502XXX, KLH1520AXXX, KLH1520XXX, KLH1521AXXX, KLH1521XXX, KLH1524AXXX, KLH1524XXX, KLH1529AXXX, KLH1529XXX, KPAA110, KPS7141-2A, KTS117, KTS190, W210*, W210A*, W214*, W214A*, W414*, W414A*, W614*, W614A*

Photo-Mos relays, "D Series" Model(s) W210S(X)*, W210TS(X)*, W214S(X)*, W414S(X)*, W614S(X)*

Photo-Mos relays, "E Series" Model(s) Y210X(a)*, Y214X(a)*, Y414X(a)*

Solid state relays Model(s) KSD210AC8, KSD215AC8, KSD225AC8, KSD240AC8, KSD425AC8, KSD440AC8

Solid state relays, MOSFET output, "KAQ Series" Model(s) Y, V or W followed by 2 followed by 12 or 17 followed by A, S, SE or blank may be followed by 4 bits internal control numbers with or without prefix KAQ.

Y, V or W followed by 2, or 4 followed by 12, 13, 53 or 54 followed by A, S, or blank may be followed by 4 bits internal control numbers with or without Prefix KAQ.


Solid state relays, MOSFET output Model(s) 1008, 1017, KCP1008, KCP1017, KSA210AC8, KSA215AC8, KSA225AC8, KSA240AC8, KSA425AC8, KSA440AC8, KSD203AC2, KSD203AC3, KSD203DC2, KSD205AC3, KSD210AC3

(a) - Represents A, AB, B, S, SB or blank.

(X) - Represents any letter, number or blank.

* - Optional prefix KAQ.

XXX - Represents any letters and/or numbers.

Marking: Company name or tradename "COSMO" , "KUAN HSI" or trademark  , catalog designation and Recognized Component Mark for

Canada,  on the product or on the smallest unit container in which the product is packaged.

[Last Updated](#) on 2013-01-29

[Questions?](#)[Print this page](#)[Terms of Use](#)[Page Top](#)

◆ 2013 UL LLC

When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the [UL Environment database](#) for additional information regarding this product's certification.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2013 UL LLC".