



Certificate of Compliance

Certificate: 2247992

Master Contract: 151933

Project: 2247992

Date Issued: 2009/11/30

Issued to: Killark Electric Manufacturing Co.

3940 Martin Luther King Dr
St. Louis, MO 63113
USA
Attention: Tom Michalski

The products listed below are eligible to bear the CSA Mark shown



D. Somma, C.E.T.

Issued by: D. Somma, C.E.T.

PRODUCTS

CLASS 4418 02 - OUTLET BOXES AND FITTINGS - Boxes - For Hazardous Locations

Class I, Groups B, C and D; Class II, Groups E, F and G; Class III; Encl Types 3 and 4:

- Series GR Outlex Boxes: Cat No GRB maybe prefixed by 2 or 4, followed by P or -275L; Cat No GRE followed by P or -300L, Cat No GRK maybe prefixed by 4, followed by P or -537L, -537L52A or -537L52B; Cat No GRM maybe prefixed by 3 or 5, followed by P or -375L or 375L52; Cat No GRL followed by P or -600L, -600L52B or -600L52C; Cat No GRH maybe prefixed by 4 or 8, followed by P or -775L, -775L52B; Cat No GRHA maybe prefixed by 4 or 8, followed by P or -775L. Cat No GRHC maybe prefixed by 4 or 8, followed by P or -775L. All may have suffixes SU6, SU8, SU9, SU14, -CEN and/or MOD.
- Outlet Boxes Cat. Nos. SPM26489, SPM25449 and SPM26490, conduit sizes 4 in NPT max.
- (Component Packaged) Cat No GRBB, GREB, GRKB, GRMB, GRLB, GRHB, GRHAB or GRHCB may be followed by P or suffixes SU6, SU8, SU9, SU14 and CEN; Cat No GRB-BC, 2GRBD, 4GRBD, GRE-BC, GRK-BC, 4GRKD, GRM-BC, 3GRMD, 5GRMD, GRL-BC, GRH-BC, 4GRHD, 8GRHD, GL-275, GL-300, GL-375, GL-537, GL-600, or GL-775.

Class I, Groups C and D; Class II, Groups E, F and G; Class III; Encl Types 3 and 4:



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- Series GR Outlet Boxes, Cat No GRB maybe prefixed by 2 or 4, followed by P or -275L; Cat No GRE followed by P or -300L, Cat No GRK maybe prefixed by 4, followed by P or -537L; Cat No GRM maybe prefixed by 3 or 5, followed by P or -375L; Cat No GRL followed by P or -600L; Cat No GRH maybe prefixed by 4 or 8, followed by P or -775L; Cat No GRHA maybe prefixed by 4 or 8, followed by P or -775L. Cat No GRHC maybe prefixed by 4 or 8, followed by P or -775L. All may have suffixes SU3, SU10, SU11 and -CEN.
 - (Component Packaged) Cat No GRBB, GREB, GRKB, GRMB, GRLB, GRHB, GRHAB or GRHCB may be followed by P or suffixes SU3, SU10, SU11 and -CEN.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No	0-M91	-	General Requirements
CAN/CSA-C22.2 No	94-M91	-	Special Purpose Enclosures
CAN/CSA-C22.2 No	0.4-M1982	-	Bonding and Grounding of Electrical Equipment
CAN/CSA-C22.2 No Hazardous Locations	25-1966	-	Enclosures for Use in Class II, Groups E, F and G
CAN/CSA-C22.2 No 3 Hazardous Locations	30-M1986	-	Explosion-Proof Enclosures for Use in Class I
CAN/CSA-C22.2 No	94-M91	-	Special Purpose Enclosures
Electrical Notice	520	-	CSA Certification of Outlet Boxes for Use in Hazardous Locations, Packaged and Shipped in Component Form

MARKINGS

Nameplate material is aluminum 0.020 in. thickness with nameplate secured with a minimum of two drive pins or screws. Nameplate with thickness less than 0.020 in. is secured with a minimum of four drive pins or screws, one at each corner.

- Company name/logo
- Catalogue number designation
- Hazardous Location designation, Class I, Groups B, C and D or Groups C and D (where applicable); Class II, Groups E, F and G; Class III, CSA Enclosures 3 and 4
- Date Code/Serial number
- Caution statements (bilingual English and French) Re: "USE IN HAZARDOUS LOCATION, KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE"



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" A SEAL SHALL BE INSTALLED WITHIN 450MM OF THE ENCLOSURE" or equivalent

Box Markings (Component Packaged Product only):

- "CAUTION: USE ONLY WITH KILLARK COVERS CAT NO. _____"
- The blank area is filled in based on body as follows:
 - For GRB - "GRB-BC, 2GRBD, 4GRB, GL-275"
 - For GRE - "GRE-BC, GL-300"
 - For GRK - "GRK-BC, 4GRKD, GL-537"
 - For GRM - "GRM-BC, 3GRMD, 5GRMD, GL-375"
 - For GRL - "GRL-BC, GL-600"
 - For GRH - "GRH-BC, 4GRHD, 8GRHD, GL-775"
 - For GRHA- "GRH-BC, 4GRHD, 8GRHD, GL-775"
 - For GRHC- "GRH-BC, 4GRHD, 8GRHD, GL-775"

Certification Record - CSA Group

Class I, Groups B, C, and D; Class II, Groups E, F and G; Class III, Types 3, 4 and 4X CSA (complete enclosures and component packaged).

- HK and 2HK Series instrument enclosure (Component Packaged): HKB, HKSB, HKBD, 2HKB, or 2HKSB box with optional covers: HFC, HFSC, HKGL, HKSG, HK1D, HKS2D, HK4D, HKS4D, HK1GLD, HK2GLD, HKS2GLD or HK4GLD denoting flat (F), dome (D), and window covers (GL); with 3/4 in. conduit entries.
- HK and 2HK Series instrument enclosures, Cat No: HKB, HKSB, HKBD, 2HKB, or 2HKSB; may be followed with the suffix 01, 02, 20, 21, 22, 01S, 02S, 21S, 22S, 2S1S, 2S2S, 2SO, 2S1, or 2S2.
- HK Series instrument enclosures, Cat No: HKB, HKSB, or HKBD followed by Suffix B, 1D, 2D, 4D, GL, 1GLD, 2GLD or 4GLD; may be followed with the suffix letter C; with 3/4 in. max conduit entries.
- 2HK Series instrument enclosures Cat No: 2HKB, 2HKSB followed by suffix B, 2D, 4D, GL, or 2GLD, followed by suffix B, 2D, 4D, GL, or 2GLD; may be followed with the suffix letter C; may be followed with the suffix -MOD; with 3/4 in. conduit entries.

Note: Series HK, 2HK and HKB instrument enclosures with or without optional covers (component packaged) when suffix S is added to the Cat No it denotes 316 stainless steel construction. In addition, when suffix -4X is added to the Cat No it denotes enclosure type rating 4X.

Class I, Groups A, B, C, and D; Class II, Groups E, F and G; Class III, Types 3, 4 and 4X; Ambinet Range (-60C to +70C) (Complete enclosures and component packaged).

- No. HKBX, may be followed by B, GL, 2D or 2GLD, may be followed by 10, 1S, 20, 2S, M20, or M25, may be followed by SM, 2S, M25, or MX. HKBX Series Cat. No. HFCX, HKXGL, HKX2D, and HKX2GLD enclosure covers.
- Outlet Boxes, Cat No SPM25131N34 and SPM25132N34, conduit size 4 in. max.
- Series GR outlet boxes (component packaged); Cat No GRBB conduit size 1-1/2 in max with optional covers GRB-BC, 2GRBD, 4GRBD, GL-275; Cat No GREB conduit size 2 in max with optional covers GRE-BC, GL-300; Cat No GRKB conduit size 3 in max with optional covers GRK-BC, 4GRKD, GL-537; Cat No GRLB conduit size 3 in max with optional covers GRL-BC, GL-600; Cat No GRMB conduit size 3 in max with optional covers GRM-BC, 3GRMD, 5GRMD, GL-375; Cat Nos GRHB, GRHAB, GRHCB conduit size 4 in max with optional covers GRH-BC, 4GRHD, 8GRHD, GL-775. All may be followed by P and/or suffixes SU6, SU8, SU9, SU14 and CEN.
- Series GR outlet boxes; Cat No GRB may be prefixed by 2 or 4 followed by P or -275L conduit size 1-1/2 in max; Cat No GRE followed by P or -300L conduit size 2 in max; Cat No GRK may be prefixed by 4, followed by P, -537L, -537L52A or -537L52B; Cat No GRM may be prefixed by 3 or 5, followed by P, -375L or -375L52; Cat No GRL followed by P, -600L, -600L52B or -600L52C conduit size 3 in max; Cat No GRH may be prefixed by 4 or 8, followed by P, -775L or -775L52B, Cat No GRHA may

be prefixed by 4 or 8, followed by P or -775L; Cat No GRHC may be prefixed by 4 or 8, followed by P or -775L conduit size 4 in max. All may have suffixes SU6, SU8, SU9, SU14, -CEN and/or MOD.

Class I, Groups B, C and D; Class II, Groups E, F and G; Class III; Encl. Types 3 and 4 where applicable :

- Cat Nos BRH, BRHA, 8BRH, SPM-11768, SPM-12761-A, SPM-13238-A, 2 in conduit max.
- Outlet boxes, Series EXB, with or without operator holes (91 max) or rectangular (5 x 9 in max) or round (GL275, -300, -375, -537, -600, -775) windows, Series Cat Nos: EXB-664, -886, -8104, -8106, -8126, -8128, -10106, -10108, -10146, -10148, -12126, -12128, -12186, -12188, -12246, -12248, -122412, -12368, -123610, -14146, -14148, -16166, -16168, -16248, -162410, -18186, -18188, -18248, -182410, -18368, -183610, -203611, -24248, -242410, -24308, -24368 and -243610; max conduit size 6 in.

Note: Series EXB outlet boxes may be furnished with blank mounting pans and Certified terminal blocks, Cat No may be followed with suffixes "SPM" followed with digits, denoting mechanical variations.

- Series GEB – Types GEBC, GEBL, GEBC, and GEBX, followed by -1, -2, -3, -4, -5, -24, or -25, conduit size 1/2 in to 1-1/2 in Type 4X.
- Condulet Cat No GECUET-2, conduit size 3
- Outlet Boxes, Cat No SPM25131 and SPM25132, conduit size 4 in. max.
- SPM26782 Instrument Enclosure; Trade size 3/4 in NPT max.

Class I, Groups B, C, and D; Class II, Groups F and G;

Class III, CSA Enclosures 3, 4 and 4X (complete enclosures and component packaged).

- Outlet boxes Series Cat. B7EP and B7EQ, conduit trade size 1/2 in through 1-1/2 in NPT or M16 through M40 (US only).

Class I, Groups C and D; Class II, Groups E, F and G; Class III; Encl Types 3 and 4:

- Single run flow computer enclosures, Model Nos 17078AAAM and 17078BAAM, 1/2 in max conduit trade size.

Class I, Groups C and D; Class II, Groups, E, F and G; Class III:

- Series GE, Types GEC, -T, -UAT, -UE, -UEA, -UEAT, -UET, -UWT, -UU, -X, 1/2 or 3/4 in conduit; Series GEC, Types GEC, -CAT, -CT, -CFT, -EAT, -ET, -HT, -K, -L, -LA, -LAT, -LBT, -LET, -LT, -LTF, -MA, -ME, -MU, -NT, -T, -TAT, -TN, -TT, -TTF, -UE, -UET, -UU, -UW, -UWT, -X, -XAT, -XT, -XTF, 1/2, 3/4 or 1 in conduit; Series GEJ, Types GEJCT, -ET, -LBT, -LT, -TT, -XT, conduit sizes 1-1/2 in. and 2 in. with blank GRMBC cover, weatherproof (Type 3), watertight (Type 4); Series GEM, Types GEM, -CA, -CF, -E, -EA, -L, -LA, -LB, -LF, -MN, -MT, -TA, -T, -C, -TF, -X, -XA, -XF, 1/2 or 3/4 in conduit; Series GES, (Component Packaged) Types GESLBT-3, GESLBT-3-2D, SPJ-13643 and SPJ-13644; 1 in conduit; Types GRB*, GRE, SPM10095A, watertight weatherproof, 1/2 to 2 in conduit; Type GRM, watertight, weatherproof 1/2 to 3 in conduit, Series GEJ, Type GEJLBT, 3/4 or 1 in conduit; Cat No GRHA*, 4 in conduit max; Type GRJ*, watertight, weatherproof, 1/2 to 3 in conduit; Types GRC, GRR, 1/2, 3/4 or 1 in conduit; Types GRS, GRSA, 3/4 in conduit; Type GRSS, 1/2, 3/4 or 1 in conduit; Type GRSSA,

- 1/2 or 3/4 in conduit; Series GRCD, HXB, JAL, 1/2 to 1 in conduit; Series JL, 1/2 or 3/4 in conduit.
- Type GETC-2, conduit size 3/4 in, with flat cover Type GESBC.
- Series X, Type XALB, pull boxes 1/2 to 3 in conduit; Series SWBC, Type XB, Cat No XB12126*, max 3 in conduit; Types XC, -LB, -LL, -LR, -T, -TA, -TB, -X, -XA, 1/2, 3/4 or 1 in conduit; Cat Nos SWBC-1 to -14 incl. -17 to -21 incl., -31 to -38 incl. and SWBC-83, Series X-10, -11 or -12 and Cat Nos SWB-48, SWB-49.
- Covers, blank, Types GECBC, GEMBC, GRBBC, GREBC, GRMBC, GRRBC, JACB, JAL, JCB, JL; X-10, -11, -12, dome, Types 2GOU, 4GOU, 2GRBD, 4GRBD, 6GRBD, 2GRED, 4GRED, 6GRED, 3GRMD, 5GRMD, 1/2 or 3/4 in. conduit hub. Types JAH-1, -2, JH-1, -2.
- Cat No SPJ-16090, 3/4 in conduit max. Type XB, threaded for rigid conduit, 2 in tradesize max, Cat No XB-8106.
- Type XB, threaded for rigid conduit, 2 in trade size max, Cat Nos XB-444*, -464*, -664, -684*, -884*, -886*, -10126*, -12126*; 4 in trade size max, -6186*, -6366*, -8106*, XB-12128*, -12168*, -12245*, -12328*, -123610*, -12248*. Type XJB, threaded for rigid conduit connections, 1 in trade size, Cat Nos XJB-8104*; 1 1/2 in trade size XJB-8105*, -8106*, -10166*, -10246*, -12196*, -12243*, -12246*; 2 in trade size max, XJB-444*, -464*, -5104*, -5105*, -5106*, -5133*, -5135*, -5136*, -5183*, -5186*, -6104*, -6105*, -6106*, -8136*, -8156*, -8186*, -8216*, -8138*, -12323*, -12326*, -12406*, -16166*, -16246*, -16326*, -164-6*, -20246*, -20326*, -24246*; 3 in trade size max, XJB-12198*, -121910*, -16484*; 3 1/2 in trade size max, XJB-12245*, -12248*, -122410*, -8158*, -8188*, -81810*, -12325*, -12328*, -123210*, -16408*, -164010*; 4 in trade size -123211*, -123213*, -12408*, -124010*, -16168*, -161610*, -16248*, -162410*, -16328*, -163210*, -16488*, -164810*, -164812*, -20248*, -202410*, -20328*, -203210*, -204010*, -24248*, -242410*, -242411*, -242413*, -242416*. Series GES, Types GESTT-4, CT-4, XT-4, 1-1/4 in conduit; Blank Cover, dome Type SPI-13056.

Note: May be furnished with/without blank-mounting pans and/or with/without Certified terminal blocks Cat suffix for mounting studs "SU8" or suffix letters "L", "WL", "Y", or "P" to indicate various arrangements of terminal blocks and/or "SPM" followed by five numbers with or without suffix letter SU8.

Class I, Group D; Class II, Groups E, F, G; Class III:

- Series GEJ, Types GEJCT, -ET, -LBT, -LT, -TT, -XT, conduit sizes 1-1/2 in and 2 in, with optional -375L lens cover, weatherproof (Type 3), watertight (Type 4); Series GES, Types GES, -CAT, -CT, -L, -LAT, -LBT, -LT, -MU, -NT, -T, -TAT, -TT, -UE, -UU, -UW, -X, -XAT, -XT, 1/2 to 1-1/4 in conduit; Series GOU-2, 2GOU and 4GOU, 3/4 and 1 in conduit; Type GRD*, 1/2 to 2 in conduit; Series JAL, 1-1/4 and 1-1/2 in conduit.

Note: Suffixes SU-1, -2, -3, -8, -9, -10, -11, -12, -14, -46, -47 may be used on Type XB and XJB to denote special finish or special features added. Boxes may be furnished with blank back pans.

Class II, Groups E, F, G; Class III and Type 3:

- Series DB, Cat No DB followed by numbers denoting width, length, depth respectively, (example 243010) - with one or more threaded rigid conduit connection 4 in max Cat Nos may include additional suffixes SU-1 through SU-15, also SU46 and PVC. Boxes may be furnished with blank mounting pans. Series DB, raintight, Cat Nos DB*, DBA*, -B*, -C*, -E*, -F*, -G*, -H* 664 through 367220; with one or more threaded rigid conduit connections 4 in max; Cat Nos may include, suffixes SU-1 through

-15.

Notes:

1. The suffix on the above catalogue number indicates the nominal outside dimensions of the box (width, length and depth) in inches. Maximum of any one dimension of these boxes are: Width 36 in, length 72 in and depth 20 in.
2. * May be furnished with/without blank-mounting pans and/or with/without certified terminal blocks Cat suffix for mounting studs "SU8" or suffix letters "L", "WL", "Y", or "P" to indicate various arrangements of terminal blocks and/or "SPM" followed by five numbers with or without suffix letter SU8.

Class I, Groups B, C, and D; Class II, Groups E, F and G; Class III; Enclosures Types 3, 4 and 4X

- Series GRUE Outlet Boxes provided with GEB (Blank) Covers – Model GRUE, followed by -50, -50A, -75, -75A, -100, -100A; conduit sizes 1/2, 3/4 and 1 inch. Model GRUE, followed by -M20, -M20A, -M25, -M25A, -M32, -M32A; conduit sizes 20mm, 25mm and 32mm (optional metric threads for use in Zone 1 area classifications only).
- Series GRUE Outlet Boxes provided with GRUC (Sealing) Covers – Model GRUE, followed by -50, -50A, -75, -75A, -100, -100A, followed by -SC, -SCA; conduit sizes 1/2, 3/4 and 1 inch. Model GRUE, followed by -M20, -M20A, -M25, -M25A, -M32, -M32A, followed by -SC, -SCA; conduit sizes 20mm, 25mm and 32mm (optional metric threads for use in Zone 1 area classifications only).
- Series GRUC (Sealing) Cover - Models GRUC-SC and GRUC-SCA.

Class II, Groups E, F and G; Class III, CSA Enclosures Type 3, 4 or 4X IP66;

Ex tb IIIC, T80°C/T100°C/T130°C Db

- SJIC*-JB, SJICH*-JB and USF*-JB Series Junction Boxes (Empty Enclosures)
- Cat. No. SPM followed by a five or six-digit number, maybe followed by additional letters and numbers.

Note - Enclosure Type 3 and 4 applies to enclosures fabricated from painted carbon steel while Enclosure Type 4X applies to enclosures fabricated from either stainless steel 304 or 316 grade.

Class I, Groups B, C, and D; Class II, Groups E, F and G; Class III

Series GEC - Types GECC, GECL, GECLA, GECT and GECX followed by -1 or 2, with integral unions, conduit sizes 1/2 or 3/4 in. Types GECET, GECEAT, GECCT, GECCAT, GECCTF, GECLAT, GECLBT, GECLT, GECLTF, GECNT, GECTAT, GECTT, GECTTF, GECXAT, GECXT and GECXTF, followed by -1 or -2, may be followed by M. Conduit size 1

Series GEC – Types GECET, GECEAT, GECCT, GECCAT, GECCTF, GECLAT, GECLBT, GECLT, GECLT, GECLTF, GECNT, GECTAT, GECTT, GECTTF, GECXAT, GECXT and GECXTF, followed by –1 or –2, followed by 6TB. Conduit size 1

Series GEC – Type GECCT, GECET, GECEAT, GECCAT, GECCTF, GECLAT, GECLBT, GECLT, GECLTF, GECNT, GECTAT, GECTT, GECTTF, GECXAT, GECXT and GECXTF followed by –3 may be followed by M. Conduit size 1 in.

Series GEC – Types GECCT, GECET, GECEAT, GECCAT, GECCTF, GECLAT, GECLBT, GECLT, GECLTF, GECNT, GECTAT, GECTT, GECTTF, GECXAT, GECXT and GECXTF followed by –3, followed by 6TB. Conduit size 1 in.

Series SPJ followed by five or six digit number, may be followed by additional letters and number