



CERTIFICATION RECORD

The company named below has been authorized by CSA International to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 237829

Class No: 3211 07 INDUSTRIAL CONTROL EQUIPMENT Miscellaneous Apparatus

SUBMITTOR

4705886 Santon Holland bv
Hekendorpstraat 69
Rotterdam, 3079 DX
Netherlands

FACTORIES

4705886 Santon Holland bv
Hekendorpstraat 69
Rotterdam, 3079 DX
Netherlands

August 6, 2010 (Replaces: July 23, 2010)

- Industrial control manual switch, rotary open type, for front panel, rear panel and din-rail mounting, Cat. No. U60 followed by B, D or R followed by 02, followed by R or S, followed by 02, 03 or 04 followed by A., 2 to 4 poles, rated, 25A 600 Vdc, resistive.

Notes:

1. Cat. No. U60 is certified as open component type and the acceptability of the final combination is to be determined by the CSA International or accredited NRTL.
2. The controller is suitable for use on a circuit capable of delivering not more than 5000 rms Symmetrical Amperes, at 600 Volts dc max. when protected by a 100A Super Rapid Type CR6L-100 fuse.
3. Super Rapid Type CR6L-100 fuse do not replace required end use branch circuit protector required by local electrical codes. The final combination shall be subject to a re-evaluation in the end application.

TO THE REQUIREMENTS OF Std C22.2 No.14 05

- Industrial control manual switch, rotary open type, for front panel, rear panel and din-rail mounting, Cat. No. K60 followed by B, D or R followed by 02, followed by R or S, followed by

02, 03 or 04 followed by A., 2 to 4 poles, rated, 25A 600 Vdc, resistive. Cat. No. K60 followed by B, D, R or C, followed by 03, followed by R or S, followed by 02, followed by BA up to BX, followed by L30, followed by B,D,R or C, followed by 04, followed by R or S, followed by 02, followed by CA-CX, rated 36 A 600Vdc resistive and 40 A 300Vac

Notes:

1. Cat. No. K60 is certified as open component type and the acceptability of the final combination is to be determined by the CSA International or accredited NRTL.
 2. The controllers are suitable for use on a circuit capable of delivering not more than 5000 rms Symmetrical Amperes, at 600 Volts dc max. when protected by a 100A Super Rapid Type CR6L-100 fuse.
 3. Super Rapid Type CR6L-100 fuse do not replace required end use branch circuit protector required by local electrical codes. The final combination shall be subject to a re-evaluation in the end application.
 4. The controller K60...03 is also suitable for use on a ac circuit capable of delivering not more than 5000 rms Symmetrical Amperes, at 300 Volts ac max. when protected by a 50A RK5 fuse
- Rotary open type manual switch, Cat. No. K60 followed by B, R or C, followed by 20, followed by B, followed by 02, followed by EA up to EX, followed by /, followed by L25, followed by B, R or C, followed by 04, followed by R or S, followed by 01, followed by FA-FX, followed by /, rated general use 200 A 600Vdc resistive for the main contacts and general use 40 A 250Vac 1 phase for the secondary contacts.

Notes:

1. Cat.Nos No. K60B20, K60R20 and K60C20 are certified as open components and the acceptability of the final combination is to be determined by the CSA International or accredited NRTL.
2. The switches are suitable for use on a dc circuits capable of delivering not more than 10000 rms Symmetrical Amperes, at 600 Volts dc max. when protected by a CSA Certified 600A Super Rapid Semiconductor fuse, this fuse do not replace required end use branch circuit protector required by local electrical codes. The final combination shall be subject to a re-evaluation in the end application.
3. The switches K60B20, K60R20 and K60C20 are also suitable for use on a ac circuit capable of delivering not more than 5000 rms Symmetrical Amperes, at 250 Volts ac max. when protected by a 50A non time RK5 fuse.

TO THE REQUIREMENTS OF Std C22.2 No.14 10

- Industrial control manual switch, rotary open type, for front panel, rear panel and din-rail mounting,
Cat. No. K60B05R02.../CA45, rated 50A, 600Vdc, resistive, per pole, single or double pole
Cat. No. K60C12B01JO/CA15, rated, 120 A 600 Vdc, resistive, single pole.
Cat. No. K60C18B01MO/CA18, rated, 180 A 600 Vdc, resistive, single pole.

Notes:

1. Cat. No. K60 is certified as open component type and the acceptability of the final combination is to be determined by the CSA International or another NRTL.
2. The switches are suitable for use on a dc circuits capable of delivering not more than 10.000 rms Symmetrical Amperes, at 600 Volts dc max. when maximal protected by
class H fuses 60A max for Cat. No. K60B05R02..../CA45;
class H fuses 125A max for Cat. No. K60C12B01JO/CA15;
class H fuses 200A max for Cat. No. K60C18B01MO/CA18;
3. Switch K60B05R02..../CA45 was additionally tested on manufacturers request. For the following ratings 50A, 600Vdc, resistive, single pole, per pole, single or double pole, 200% overload, 100% endurance, on time 0.35 sec, of time 9.65 sec.

- Manual switch, rotary open type, for front panel, rear panel and din-rail mounting, Cat. No. X60..., rated, 10A and/or 16A and/or 25A and/or 30A and/or 32 A 600 Vac/dc, resistive, single pole, auxiliary contacts rated A300

Notes:

1. Cat. No. X60 is certified as open component type and the acceptability of the final combination is to be determined by the CSA International or another NRTL.
2. On manufacturers request the switches were tested for short circuit withstand of 5.000 rms Symmetrical Amperes, at 600 Volts dc max. when protected by class H fuses 40A max
3. On manufacturers request Cat. No. X60... was tested at ambient temperature of -25°C and +70° C

/ns



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File No: 237829

Class No: 3211 87 INDUSTRIAL CONTROL EQUIPMENT Miscellaneous Apparatus - Certified to US Standards

SUBMITTOR

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August 6, 2010 (Replaces: July 23, 2010)

- Industrial control manual switch, rotary open type, for front panel, rear panel and din-rail mounting, Cat. No. U60 followed by B, D or R followed by 02, followed by R or S, followed by 02, 03 or 04 followed by A., 2 to 4 poles, rated, 25A 600 Vdc, resistive.

Notes:

1. Cat. No. U60 is certified as open component type and the acceptability of the final combination is to be determined by the CSA International or accredited NRTL.
2. The controller is suitable for use on a circuit capable of delivering not more than 5000 rms Symmetrical Amperes, at 600 Volts dc max. when protected by a 100A Super Rapid Type CR6L-100 fuse.
3. Super Rapid Type CR6L-100 fuse do not replace required end use branch circuit protector required by local electrical codes. The final combination shall be subject to a re-evaluation in the end application.

TO THE REQUIREMENTS OF UL 508 17e Edition

- Industrial control manual switch, rotary open type, for front panel, rear panel and din-rail

mounting, Cat. No. K60 followed by B, D or R followed by 02, followed by R or S, followed by 02, 03 or 04 followed by A., 2 to 4 poles, rated, 25A 600 Vdc, resistive. Cat. No. K60 followed by B, D, R or C, followed by 03, followed by R or S, followed by 02, followed by BA up to BX, followed by L30, followed by B,D,R or C, followed by 04, followed by R or S, followed by 02, followed by CA-CX, rated 36 A 600Vdc resistive and 40 A 300Vac

Notes:

1. Cat. No. K60 is certified as open component type and the acceptability of the final combination is to be determined by the CSA International or accredited NRTL.
 2. The controllers are suitable for use on a circuit capable of delivering not more than 5000 rms Symmetrical Amperes, at 600 Volts dc max. when protected by a 100A Super Rapid Type CR6L-100 fuse.
 3. Super Rapid Type CR6L-100 fuse do not replace required end use branch circuit protector required by local electrical codes. The final combination shall be subject to a re-evaluation in the end application.
 4. The controller K60..03 is also suitable for use on a ac circuit capable of delivering not more than 5000 rms Symmetrical Amperes, at 300 Volts ac max. when protected by a 50A RK5 fuse
- Rotary open type manual switch, Cat. No. K60 followed by B, R or C, followed by 20, followed by B, followed by 02, followed by EA up to EX, followed by /, followed by L25, followed by B, R or C, followed by 04, followed by R or S, followed by 01, followed by FA-FX, followed by /, rated general use 200 A 600Vdc resistive for the main contacts and general use 40 A 250Vac 1 phase for the secondary contacts.

Notes:

1. Cat.Nos No. K60B20, K60R20 and K60C20 are certified as open components and the acceptability of the final combination is to be determined by the CSA International or accredited NRTL.
2. The switches are suitable for use on a dc circuits capable of delivering not more than 10000 rms Symmetrical Amperes, at 600 Volts dc max. when protected by a CSA Certified 600A Super Rapid Semiconductor fuse, this fuse do not replace required end use branch circuit protector required by local electrical codes. The final combination shall be subject to a re-evaluation in the end application.
3. The switches K60B20, K60R20 and K60C20 are also suitable for use on a ac circuit capable of delivering not more than 5000 rms Symmetrical Amperes, at 250 Volts ac max. when protected by a 50A non time RK5 fuse.

ual switch, rotary open type, for front panel, rear panel and din-rail mounting,
Cat. No. X60..., rated, 10A and/or 16A and/or 25A and/or 30A and/or 32 A 600 Vac/dc, resistive, single pole, auxiliary contacts rated A300

Notes:

1. Cat. No. X60 is certified as open component type and the acceptability of the final combination is to be determined by the CSA International or another NRTL.
2. On manufacturers request the switches were tested for short circuit withstand of 5.000 rms Symmetrical Amperes, at 600 Volts dc max. when protected by class H fuses 40A max

3. On manufacturers request Cat. No. X60... was tested at ambient temperature of -25°C and +70°C

TO THE REQUIREMENTS OF Std UL 508 17th ed.

- Industrial control manual switch, rotary open type, for front panel, rear panel and din-rail mounting,

Cat. No. K60B05R02.../CA45, rated 50A, 600Vdc, resistive, per pole, single or double pole

Cat. No. K60C12B01JO/CA15, rated, 120 A 600 Vdc, resistive, single pole.

Cat. No. K60C18B01MO/CA18, rated, 180 A 600 Vdc, resistive, single pole.

Notes:

1. Cat. No. K60 is certified as open component type and the acceptability of the final combination is to be determined by the CSA International or another NRTL.
2. The switches are suitable for use on a dc circuits capable of delivering not more than 10.000 rms Symmetrical Amperes, at 600 Volts dc max. when maximal protected by
class H fuses 60A max for Cat. No. K60B05R02.../CA45;
class H fuses 125A max for Cat. No. K60C12B01JO/CA15;
class H fuses 200A max for Cat. No. K60C18B01MO/CA18;
3. Switch K60B05R02.../CA45 was additionally tested on manufacturers request. For the following ratings 50A, 600Vdc, resistive, single pole, per pole, single or double pole, 200% overload, 100% endurance, on time 0.35 sec, of time 9.65 sec.

/ns