

# NKCR.E68568 - Auxiliary Devices

## Auxiliary Devices

See General Information for Auxiliary Devices

### C3CONTROLS

664 STATE ST  
PO BOX 496  
BEAVER, PA 15009 USA

E68568

### Investigated to ANSI/UL 508

**2 & 3 position push-pull operators** Model(s) W22IPP may be followed by A followed by 2, 3A or 3B may be followed by M or P may be followed by M or Y followed by M or J followed by B, E, G, K, O, R, W, Y, M, TA, TB, TG, TR, AR, BE, CR, GN, RD, WE or YW may be followed by FM, TM, RM, LM, MVD, MVF, RMVD or RMVF may be followed by one to four alpha/numeric characters may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX may be followed by contact configurations that are shown as XX/YY/ZZ.

W22PP may be followed by A followed by 2, 3A or 3B may be followed by M or P may be followed by M or Y followed by M or J followed by B, E, G, K, O, R, W, Y, M, TA, TB, TG, TR, AR, BE, CR, GN, RD, WE or YW may be followed by FM, TM, RM, LM, MVD, MVF, RMVD or RMVF may be followed by one to four alpha/numeric characters may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX may be followed by contact configurations that are shown as XX/YY/ZZ.

**22 mm LED Lights** Model(s) Cat. Nos. W22UNR followed by one to three numbers indicating voltage, followed by A, D, AC/DC or blank, followed by LA, LB, LG, LR or LW, followed by WL, WLD, WNL, WNLD, followed by A, B, C, G, R, W, Y, AS, BS, GS, RS.

**22 mm LED lights with non-replaceable LED** Model(s) W22UNR followed by one to three numbers indicating voltage, followed by A, D, AC/DC or blank, followed by LA, LB, LG, LR or LW, followed by WNLA, WNLB, WNLC, WNLG or WNLR

**30 mm LED lights with non-replaceable LED** Model(s) 30UNR followed by one to three numbers indicating voltage, followed by B, E, AC/DC or blank, followed by LA, LB, LG, LR or LW, followed by PNLAR, PNLBE, PNLCR, PNLGN or PNLRD.

**Accessories** Model(s) HHP, HP

**Auxiliary Device** Model(s) 300, followed by SMEI followed by 10, 01, 11, 20 or 02 may be followed by X.

300, followed by SMI followed by 10, 01, 11, 20 or 02 may be followed by X.

**Auxiliary Device Enclosed** Model(s) WTL-50 followed by P1, P2, P3, P4, or P5 followed by MC, D, or F, followed by DA, FA, RA, DB, FB, RB, DG, FG, RG, DR, FR, RR, DW, FW, RW, DCA, FCA, RCA, DCB, FCB, RCB, DCG, FCG, RCG, DCR, FCR, RCR, DSA, FSA, RSA, DSB, FSB, RSB, DSG, FSG, RSG, DSR, FSR, RSR, DSW, FSW, RSW, DCSA, FCSA, RCSA, DCSB, FCSB, RCSB, DCSG, FCSG, RCSG, DCSR, FCSR, RCSR, DS1, DS2, DS3, FS1, FS2, or FS3, May be followed by DA, FA, RA, DB, FB, RB, DG, FG, RG, DR, FR, RR, DW, FW, RW, DCA, FCA, RCA, DCB, FCB, RCB, DCG, FCG, RCG, DCR, FCR, RCR, DSA, FSA, RSA, DSB, FSB, RSB, DSG, FSG, RSG, DSR, FSR, RSR, DSW, FSW, RSW, DCSA, FCSA, RCSA, DCSB, FCSB, RCSB, DCSG, FCSG, RCSG, DCSR, FCSR, RCSR, DS1, DS2, DS3, FS1, FS2, or FS3, May be followed by DA, FA, RA, DB, FB, RB, DG, FG, RG, DR, FR, RR, DW, FW, RW, DCA, FCA, RCA, DCB, FCB, RCB, DCG, FCG, RCG, DCR, FCR, RCR, DSA, FSA, RSA, DSB, FSB, RSB, DSG, FSG, RSG, DSR, FSR, RSR, DSW, FSW, RSW, DCSA, FCSA, RCSA, DCSB, FCSB, RCSB, DCSG, FCSG, RCSG, DCSR, FCSR, RCSR, DS1, DS2, DS3, FS1, FS2, or FS3, May be followed by DA, FA, RA, DB, FB, RB, DG, FG, RG, DR, FR, RR, DW, FW, RW, DCA, FCA, RCA, DCB, FCB, RCB, DCG, FCG, RCG, DCR, FCR, RCR, DSA, FSA, RSA, DSB, FSB, RSB, DSG, FSG, RSG, DSR, FSR, RSR, DSW, FSW, RSW, DCSA, FCSA, RCSA, DCSB, FCSB, RCSB, DCSG, FCSG, RCSG, DCSR, FCSR, RCSR, DS1, DS2, DS3, FS1, FS2, or FS3, May be followed by DA, FA, RA, DB, FB, RB, DG, FG, RG, DR, FR, RR, DW, FW, RW, DCA, FCA, RCA, DCB, FCB, RCB, DCG, FCG, RCG, DCR, FCR, RCR, DSA, FSA, RSA, DSB, FSB, RSB, DSG, FSG, RSG, DSR, FSR, RSR, DSW, FSW, RSW, DCSA, FCSA, RCSA, DCSB, FCSB, RCSB, DCSG, FCSG, RCSG, DCSR, FCSR, RCSR, DS1, DS2, DS3, FS1, FS2, or FS3.

**Auxiliary Device Open type, "Type 300-C series"** Model(s) Type 300-C series followed by 16 may be followed by N may be followed by 22 or 40 or 31 or 13 or 04 followed by characters or numbers related to coil voltage/frequency.

**Auxiliary Device Open type** Model(s) 300, followed by SSA followed by 10, 01, 11, 20 or 02 may be followed by X.

300-C followed by FA, followed by 20, 11, 02, 40, 22, 04, 31 or 13.

Cat. Nos. 300-M followed by FA, followed by 20, 11, 02, 40, 22, 04, 31 or 13.

Cat. Nos.300 followed by SFA, followed by 10 or 01, may be followed by EM or DB.

Control relays, for use in industrial applications, Open Type 300-C series followed by 16; may be followed by N; may be followed by 22 or 40 or 31 or 13 or 04 followed by characters or numbers related to coil voltage/frequency;

#### **Auxiliary Device Open type Pilot Lights** Model(s) 16MV, 16RMV

30MV20-277 followed by FL or DL followed by either A, B, G, R, C or W may be followed by PLLRD, PLLAR, PLLGN,PLLWE, PLLBE, PLLCR, APLLRD, APLLAR, APLLGN, APLLWE, APLLBE or APLLCR

30RMV12-277 followed by FL or DL followed by either A, B, G, R, C or W may be followed by PLLRD, PLLAR, PLLGN,PLLWE, PLLBE, PLLCR, APLLRD, APLLAR, APLLGN, APLLWE, APLLBE or APLLCR

30RMV20-277 followed by FL or DL followed by either A, B, G, R, C or W may be followed by PLLRD, PLLAR, PLLGN,PLLWE, PLLBE, PLLCR, APLLRD, APLLAR, APLLGN, APLLWE, APLLBE or APLLCR

Cat. No. 30MV12-277 followed by FL or DL followed by either A, B, G, R, C or W may be followed by PLLRD, PLLAR, PLLGN,PLLWE, PLLBE, PLLCR, APLLRD, APLLAR, APLLGN, APLLWE, APLLBE or APLLCR

**Contacts add-a-block** Model(s) 22CB, may be followed by 2 followed by one or more of DB, EM, NC, NO.

**Dual Pushbutton Operators and Switches** Model(s) Cat. Nos. W22DPB followed by F or E followed by K, B, G, E, R, W, Y, O, or M may be followed by a number between 1 and 999 followed by F or E followed by K, B, G, E, R, W, Y, O, or M may be followed by a number between 1 and 999 may be followed by contact configurations that are shown as "XX/ZZ".

**Electronic timer relays** Model(s) ETR-D17DEI-03H-1CD, ETR-D17DEI-03H-1CF, ETR-D17MF1-03H-1CMV4

**Illuminated Dual Pushbutton Operators and Switches** Model(s) Cat. Nos. W22DPB followed by F or E followed by K, B, G, E, R, W, Y, O, or M may be followed by a number between 1 and 999 followed by F or E followed by K, B, G, E, R, W, Y, O, or M may be followed by a number between 1 and 999 followed by A, B, G, R, C, W, Y, or O followed by FM, MVD, MVF, RMVD, or RMVF indicating light module may be followed by one to four alpha/numeric characters - the numeric characters indicating the Voltage Ratings (both AC/DC) of the lighted device may be followed by I, F, LR, LG, LW, "LX", NG, NL, NR or "NX" may be followed by contact configurations that are shown as "XX/ZZ".

**Illuminated push buttons** Model(s) 22FPTT, 22IPB, 22RPTT, 22TPTT

W22IPB may be followed by A may be followed by F, E, G, M or J may be followed by A, B, G, R, C, W, K, E, Y, O, M, SB, SG, SR or SW may be followed by FM, TM, RM, LM, MVD, MVF, RMVD or RMVF (indicating light module) may be followed by one to four alpha/numeric characters - the numeric characters indicating the voltage ratings (both AC/DC) of the lighted device the A and D indicating discrete voltage types AC and DC respectively may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX may be followed by contact configurations that are shown as XX/ZZ.

**Illuminated Push-button Stations** Model(s) ECW22 may be followed by alphanumeric characters

**Illuminated Push-Twist-Release Operator** Model(s) W22IPTR may be followed by Y followed by M or J may be followed by A, B, G, R, C, W, K, E, Y, O, M, SB, SG, SR or SW, may be followed by FM, TM, RM, LM, MVD, MVF, RMVD or RMVF indicating light module may be followed by one to four alpha/numeric characters may be followed by I, F, LR, LG, LW, "LX", NG, NL, NR or "NX" may be followed by contact configurations that are shown as "XX/ZZ".

**Illuminated selector switches** Model(s) W22I may be followed by A followed by S2, S2R, SRL, SLR, S3, SLC, SRC or SAC may be followed by IH, IHH, IL or ILH may be followed by A, B, G, R, C, W, K, E, Y, O, SB, SG, SR or SW may be followed by FM, TM, RM, LM, LT, MVD, MVF, RMVD or RMVF may be followed by one to four alpha/numeric characters may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX may be followed by contact configurations XX/ZZ.

**Indicating lights** Model(s) FV with or without prefix H, may be followed by AC, MI, PPM, PTR or PTT, may be followed by 0 thru 600, may be followed by D, may be followed by I, L or N, may be followed by 0 thru 600, may be followed by A, B, C, G, F, NL, R, W or Y, may be followed by A, HRB, RB, RB4 or Y, may be followed by GIPBC, IMC, IPBC, IPBCM, PLL, PTR or SIPBCM, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO/NC, NO, NO/NO, PRDB, PREM, PRNC, PRNOPR2NC, PR2NO, PRNOEM, PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by blank or IP20.

FVLU with or without prefix H, may be followed by AC, MI, PPM, PTR or PTT, may be followed by 0 thru 600, may be followed by D, may be followed by I, L or N, may be followed by 0 thru 600, may be followed by A, B, C, G, F, NL, R, W or Y, may be followed by A, HRB, RB, RB4 or Y, may be followed by GIPBC, IMC, IPBC, IPBCM, PLL, PTR or SIPBCM, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO/NC, NO, NO/NO, PRDB, PREM, PRNC, PRNOPR2NC, PR2NO, PRNOEM, PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by blank or IP20.

RL with or without prefix H, may be followed by AC, MI, PPM, PTR or PTT, may be followed by 0 thru 600, may be followed by D, may be followed by I, L or N, may be followed by 0 thru 600, may be followed by A, B, C, G, F, NL, R, W or Y, may be followed by A, HRB, RB, RB4 or Y, may be followed by GIPBC, IMC, IPBC, IPBCM, PLL, PTR or SIPBCM, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be

followed by AAB, DB, EM, NC, NC/NC, NO/NC, NO, NO/NO, PRDB, PREM, PRNC, PRNOPR2NC, PR2NO, PRNOEM, PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by blank or IP20.

RLU with or without prefix H, may be followed by AC, MI, PPM, PTR or PTT, may be followed by 0 thru 600, may be followed by D, may be followed by I, L or N, may be followed by 0 thru 600, may be followed by A, B, C, G, F, NL, R, W or Y, may be followed by A, HRB, RB, RB4 or Y, may be followed by GIPBC, IMC, IPBC, IPBCM, PLL, PTR or SIPBCM, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO/NC, NO, NO/NO, PRDB, PREM, PRNC, PRNOPR2NC, PR2NO, PRNOEM, PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by blank or IP20.

RTLU with or without prefix H, may be followed by AC, MI, PPM, PTR or PTT, may be followed by 0 thru 600, may be followed by D, may be followed by I, L or N, may be followed by 0 thru 600, may be followed by A, B, C, G, F, NL, R, W or Y, may be followed by A, HRB, RB, RB4 or Y, may be followed by GIPBC, IMC, IPBC, IPBCM, PLL, PTR or SIPBCM, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO/NC, NO, NO/NO, PRDB, PREM, PRNC, PRNOPR2NC, PR2NO, PRNOEM, PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by blank or IP20.

TF with or without prefix H, may be followed by AC, MI, PPM, PTR or PTT, may be followed by 0 thru 600, may be followed by D, may be followed by I, L or N, may be followed by 0 thru 600, may be followed by A, B, C, G, F, NL, R, W or Y, may be followed by A, HRB, RB, RB4 or Y, may be followed by GIPBC, IMC, IPBC, IPBCM, PLL, PTR or SIPBCM, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO/NC, NO, NO/NO, PRDB, PREM, PRNC, PRNOPR2NC, PR2NO, PRNOEM, PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by blank or IP20.

TFLU with or without prefix H, may be followed by AC, MI, PPM, PTR or PTT, may be followed by 0 thru 600, may be followed by D, may be followed by I, L or N, may be followed by 0 thru 600, may be followed by A, B, C, G, F, NL, R, W or Y, may be followed by A, HRB, RB, RB4 or Y, may be followed by GIPBC, IMC, IPBC, IPBCM, PLL, PTR or SIPBCM, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO/NC, NO, NO/NO, PRDB, PREM, PRNC, PRNOPR2NC, PR2NO, PRNOEM, PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by blank or IP20.

W22PL may be followed by FM, TM, RM, LM, MVD, MVF, RMVD or RMVF, may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LX, NG, NL, NR or NX, may be followed by F, E, J, M, WLA, WLB, WLG, WLR, WLC, WLW, WLE, WLY, WLO, WSB, WSG or WSR, followed by A, B, C, G, R, W or Y.

W22PTT may be followed by FM, TM, RM, LM, MVD, MVF, RMVD or RMVF, may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LX, NG, NL, NR or NX, may be followed by F, E, J, M, WLA, WLB, WLG, WLR, WLC, WLW, WLE, WLY, WLO, WSB, WSG or WSR, followed by A, B, C, G, R, W or Y.

W22U may be followed by FM, TM, RM, LM, MVD, MVF, RMVD or RMVF, may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LX, NG, NL, NR or NX, may be followed by F, E, J, M, WLA, WLB, WLG, WLR, WLC, WLW, WLE, WLY, WLO, WSB, WSG or WSR, followed by A, B, C, G, R, W or Y.

**Key operated selector switches** Model(s) W22K may be followed by A followed by S2, S2R, SRL, SLR, S3, SLC, SRC or SAC may be followed by B, G, R, W, K, E, Y or O followed by key removable references RA, RR, RL, RC, RRL, RLC or RRC may be followed by contact configurations that are shown as XX/ZZ.

**Keys operated rotary switches** Model(s) 22, followed by K2, K3, KAC, KLC, KLR, KRC or KRL followed by KA, KC, KL, KLC, KLR, KR, KRC, followed by M or X, may be followed by 2, followed by one or more of A, B, C, D, E, F, G or H.

**Light accessory modules** Model(s) W22FM may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX.

W22MVD may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX.

W22MVF may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX.

W22RM may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX.

W22RMVD may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX.

W22RMVF may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX.

W22TM may be followed by one to four alpha/numeric characters, may be followed by I, F, LR, LG, LW, LX, NG, NL, NR or NX.

**Linear actuated devices** Model(s) CPO with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by PM or PP, may be followed by FC, JMC, MC, TMC or XC, may be followed by AC or MI, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PRDB, PREM, PRNC, PRNO, PRNOEM, PRNONC, PR2NC or PR2NO, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by IP20.

HDCPO with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by PM or PP, may be followed by FC, JMC, MC, TMC or XC, may be followed by AC or MI, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PRDB, PREM, PRNC, PRNO, PRNOEM, PRNONC, PR2NC or PR2NO, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by IP20.

PBO with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by PM or PP, may be followed by FC, JMC, MC, TMC or XC, may be followed by AC or MI, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PRDB, PREM, PRNC, PRNO, PRNOEM, PRNONC, PR2NC or PR2NO, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by IP20.

PPCPO with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by PM or PP, may be followed by FC, JMC, MC, TMC or XC, may be followed by AC or MI, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PRDB, PREM, PRNC, PRNO, PRNOEM, PRNONC, PR2NC or PR2NO, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by IP20.

PTR with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by PM or PP, may be followed by FC, JMC, MC, TMC or XC, may be followed by AC or MI, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PRDB, PREM, PRNC, PRNO, PRNOEM, PRNONC, PR2NC or PR2NO, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by IP20.

**Pilot lights** Model(s) 16 RMV (a)+

22, followed by FVL, RL, RTL or TFL may be followed by 6, 12, 24, 120, 240, 277, 480, 600 or three digits, may be followed by I, L or N, may be followed by M or X, followed by two letters, may be followed by T.

A-PLU-Q06+, A-PLU-Q10+, A-PLU-Q12+, A-PLU-Q24+, FVL, MFVL (a)+, MRFL480 (a)+, MRL-120I (a)+, MRL-120N (a)+, MRL-240I (a)+, MRL-240N (a)+, MRL-480N (a)+, MRL-600N (a)+, MRTL-120 (a)+, MTFL120 (a)+, MTFL240 (a)+, MTRL-415 (a)+, SDLF-V

**Pilot lights and illuminated push button operators** Model(s) FVLU, RLU-120I, RLU-120N, RLU-240I, RLU-240N, RLU-480N, RTLU-120, TFLU-120, TFLU-240, TFLU-415, TFLU-480

**Pilot lights with transformers** Model(s) 22TFL followed by 120, 240 or 480, followed by I, L or N, may be followed by M or X, followed by two letters.

A-PLU-P16+, A-PLU-P26+, A-PLU-P46+

**Potentiometer operators** Model(s) 22POTO may be followed by 1 thru 999, followed by blank, K or M, followed by blank, A, PM, Y, RB, HRB or RB4, followed by blank or TBW.

POTO with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by 0 thru 999, may be followed by K or M, may be followed by TBW.

**Push button stations, open type** Model(s) 22, followed by PB or PP may be followed by 2, followed by one or more of DB, EM, NC or NO, may be followed by M or X, may be followed by one or two letters, may be followed by two letters. (a)

CBDB (a), CBEM (a), CBNC (a), CBNO (a), SDCB-2NC (a), SDCB-NONC (a)

**Push-buttons** Model(s) PBO, with or without prefix H may be followed by blank, A, HRB, RB, RB4 or Y, may be followed by blank, FC, GFC, GXC, JMC, MC, SJC, SMC or XC, may be followed by blank, AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by blank, AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PRDB, PREM, PRNC, PRNO, PRNOEM, PRNONC, PR2NC or PR2NO, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by blank or IP20.

RPB with or without prefix H, may be followed by B, BW, BOLTS, W or WASHERS.

RPB, with or without prefix H, may be followed by B, BW, BOLTS, W or WASHERS.

W22PB may be followed by A may be followed by F, E, G, M or J may be followed by B, G, R, W, K, E, Y, O, M, TA, TB, TG, TR, TC or TW may be followed by contact configurations that are shown as "XX/YY/ZZ".

**Push-pull operators** Model(s) W22CP may be followed by A followed by M or J, followed by B, G, R, W, K, E, Y, O, M, TA, TB, TC, TG, TR or TW, may be followed by M or P, may be followed by contact configurations that are shown as XX/YY/ZZ.

W22PP may be followed by A followed by M or J, followed by B, G, R, W, K, E, Y, O, M, TA, TB, TC, TG, TR or TW, may be followed by M or P, may be followed by contact configurations that are shown as XX/YY/ZZ.

**Push-twist-release operators** Model(s) W22PTR may be followed by Y followed by M or J followed by K, B, G, E, R, W, Y or O may be followed by contact configurations that are shown as "XX/YY/ZZ".

**Reset push buttons** Model(s) HRPB, HRPBW, HRPLB, HRPW, RPBB, RPBBW, RPBLB, RPBW

W22RPB may be followed by A may be followed by F, E, G, M or J may be followed by B, G, R, W, K, E, Y, O, M, TA, TB, TG, TR, TC or TW may be followed by 1 thru 999 may be followed by PK or MK may be followed by 1 thru 305.

**Resistor lights** Model(s) SDL-120N, SDL-240I, SDL-240N, SDL-480N

**Rotary key switches** Model(s) Blank, A, HRB, RB, RB4 or Y followed by KOSRLC, KOSRLRC, KOSRRC, KOSRLR, KOSRRL, KSROR3LC, KOSS2, KOSS3, KOSS4, KSROR3LRC, KSROR3RC or KSSOR3, with or without prefix H, may be followed by KA, KC, KL, KLC, KLR, KR, KRC, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple

combination of the previous, may be followed by G (gold plated contacts), may be followed by IP20.

**Rotary switches** Model(s) SROL C with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

SROLR with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

SROLRC with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

SRORC with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

SRORL with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

SS01243 with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

SS02 with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

SS03 with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

SS04 with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

SS043 with or without prefix H, may be followed by A, HRB, RB, RB4 or Y, may be followed by CSO, SH or SL, may be followed by AR, BE, BET, BK, CR, GN, GNT, GY, OE, RD, RDT, WE or YW, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PR2NC, PR2NO, PRDB, PREM, PRNC, PRNO, PRNOEM or PRNONC, may be followed by any multiple combination of the previous, may be followed by G (gold pated contacts), may be followed by IP20.

**Selecter switches** Model(s) W22 may be followed by A followed by S2, S2R, SRL, SLR, S3, SLC, SRC or SAC, may be followed by H, HH, L or LH, may be followed by B, G, R, W, K, E, Y, O, M, TA, TB, TG, TR, TC, TY or TW, may be followed by contact configurations XX/ZZ.

**Specialty pilot lights** Model(s) 13, may be followed by FV, L, N or SBL may be followed by A, B, G, O, R or Y, followed by 6, 12, 24, 120, 240, 277, 480, 600 or three digits, may be followed by ST, STF, W or WL, may be followed by one or two digits.

**Toggle operators** Model(s) 22, followed by TH or TV followed by two letters, may be followed by 2, followed by one or more of DB, EM, NC, NO, followed by M or X, followed by T.

**Wobble stick operators** Model(s) WS, with or without prefix H may be followed by A, HRB, RB, RB4 or Y, may be followed by AAB, DB, EM, NC, NC/NC, NO, NO/NC, NO/NO, PRDB, PREM, PRNC, PRNO, PRNOEM, PRNONC, PR2NC or PR2NO, may be followed by any multiple combination of the previous, may be followed by G (gold plated contacts), may be followed by IP20.

## Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-4-1

**Open type, Thermal overload relays with ambient compensation** Model(s) 320-B1C40, 320-B1C63, 320-B1C80, 320-B1D12, 320-B1D18, 320-B1D28, 320-B1D40, 320-B1D63, 320-B1D80, 320-B1U10, 320-B1U12, 320-B1U15, 320-B1U17, 320-B2C40, 320-B2C63, 320-B2C80, 320-B2D12, 320-B2D18, 320-B2D28, 320-B2D40, 320-B2D63, 320-B2D80, 320-B2U10, 320-B2U12, 320-B2U15, 320-B2U17, 320-B2U23, 320-B2U32, 320-B3U40,

320-B4U50, 320-B4U57, 320-B4U63, 320-B4U70, 320-B5U80, 320-B5U97, 320-B5X11

Cat. Nos. 320-B1C40, 320-B1C63, 320-B1C80, 320-B1D12, 320-B1D18, 320-B1D28 , 320-B1D40, 320-B1D63, 320-B1D80, 320-B1U10 , 320-B1U12, 320-B1U15 and 320-B1U17.

(a) - Catalog Series may be followed by IP20 indicating the addition of a polymeric shroud. Presence of IP20 suffix does not imply that the product bearing the suffix has been evaluated by UL in accordance with IEC/EN 60529. No ratings other than those shown in this Report may be associated with the UL Mark.

+ - With or without suffix letters.

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