



NRNT.E172140 Switches, Industrial Control

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Switches, Industrial Control

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PHOENIX CONTACT GMBH & CO. KG
FLACHSMARKTSTRASSE 8
32825 BLOMBERG, GERMANY

E172140

Investigated to ANSI/UL 508

Industrial control switches Model(s) EMD-FL-3V-115, EMD-FL-3V-230, EMD-FL-3V-400, EMD-FL-3V-500, EMD-FL-3V-690, EMD-FL-C-10, EMD-FL-PF-400, EMD-FL-V-300, EMD-SL-3V-400, EMD-SL-3V-400-N, EMD-SL-C-OC-10, EMD-SL-C-UC-10, EMD-SL-LL-110, EMD-SL-LL-230, EMD-SL-PH-400, EMD-SL-PH-690, EMD-SL-PTC, EMD-SL-V-UV-300, ETD*

Industrial Control Switches Model(s) PLC-TR-MUL-1T-24-300M followed by suffixes -10S, -300S, -30MIN or -300MIN. All may be followed by suffix -SP or -PT.

PLC-TR-MUL-1T-300M-PT followed by suffixes -10S, -300S, -30MIN or -300MIN. All may be followed by suffix -SP or -PT.

Interface modules Model(s) PLC followed by -RPT, -OPT followed by suffix -5DC, -12DC, -24DC, -36DC, -48DC, -60DC, or -24UC, -120UC, -230UC; followed by suffix /1, /24DC, /48DC, /230AC, /21, /21AU, /1AU, /21RW; may be followed by suffix /1, /2, /100, /ACT, /SEN; may be followed by suffix /1, /2, /ACT, /SEN, /SO46

PLC followed by : -OPT followed by -5DC/300DC/1, -OPT-12DC/300DC/1, -RPT-12DC/21HC, -RPT-12DC/21-21, -RPT-12DC/21-21AU, -RPT-24DC/21HC, -RPT-24UC/21HC, -OPT-24DC/300DC/1, -RPT-24DC/21-21, -RPT-24UC/21-21, -RPT-24DC/21-21AU, -RPT-24UC/21-21AU, -RPT-24UC/21-21/RW, -RPT-24UC/21-21AU/RW, -RPT-24UC/21HC/RW, -RPT-24UC/21/RW, -RPT-24UC/21AU/RW, -RPT-24UC/1S/L, -RPT-24DC/1IC/ACT,, -RPT-24UC/1S/H, -OPT-24DC/24DC/3RW, -OPT-24DC/48DC/500/W, -OPT-24DC/110DC/3RW, -OPT-24DC/24DC/10/R, -OPT-24DC/TTL, -OPT-36DC/110DC/3RW, -RPT-48DC/21HC, -RPT-48DC/21-21, -RPT-48DC/21-21AU, -OPT-48DC/110DC/3RW, -RPT-60DC/21-21, -RPT-60DC/21-21AU, -OPT-60DC/300DC/1, -RPT-72UC/21HC/RW, -RPT-72UC/21-21/RW, -RPT-72UC/21-21AU/RW, -OPT-72DC/110DC/3RW, -RPT-72UC/21/RW, -RPT-72UC/21AU/RW, -OPT-96DC/110DC/3RW, -RPT-110UC/21HC/RW, -RPT-110UC/21-21/RW, -RPT-110UC/21-21AU/RW, -OPT-110DC/24DC/3RW, -OPT-110DC/300DC/1, -OPT-110DC/110DC/3RW, -RPT-110UC/21/RW, -RPT-110UC/21AU/RW, -RPT-120UC/21HC, -RPT-120UC/21-21, -RPT-120UC/21-21AU, -OPT-120AC/300DC/1,, -OPT-125DC/300DC/1, -OPT-220DC/300DC/1, -OPT-230AC/300DC/1, -RPT-230UC/21HC, -RPT-230UC/21-21, -RPT-230UC/21-21AU, -RPT-230UC/21-21AU/RWF, -PT-S/H, -PT-EIK 1-SVN 24M, -PT-EIK 1-SVN 24P/P, -RPT-48UC/21AU.

Interface Modules Model(s) PLC followed by : -OPT-5DC/300DC/1, -OPT-12DC/300DC/1, -RPT-12DC/21HC, -RPT-12DC/21-21, -RPT-12DC/21-21AU, -RPT-24DC/21HC, -RPT-24UC/21HC, -OPT-24DC/300DC/1, -RPT-24DC/21-21, -RPT-24UC/21-21, -RPT-24DC/21-21AU, -RPT-24UC/21-21AU, -RPT-24UC/21-21/RW, -RPT-24UC/21-21AU/RW, -RPT-24UC/21HC/RW, -RPT-24UC/21/RW, -RPT-24UC/21AU/RW, -RPT-24UC/1S/L, -RPT-24DC/1IC/ACT,, -RPT-24UC/1S/H, -OPT-24DC/24DC/3RW, -OPT-24DC/48DC/500/W, -OPT-24DC/110DC/3RW, -OPT-24DC/24DC/10/R, -OPT-24DC/TTL, -OPT-36DC/110DC/3RW, -RPT-48DC/21HC, -RPT-48DC/21-21, -RPT-48DC/21-21AU, -OPT-48DC/110DC/3RW, -RPT-60DC/21-21, -RPT-60DC/21-21AU, -OPT-60DC/300DC/1, -RPT-72UC/21HC/RW, -RPT-72UC/21-21/RW, -RPT-72UC/21-21AU/RW, -OPT-72DC/110DC/3RW, -RPT-72UC/21/RW, -RPT-72UC/21AU/RW, -OPT-96DC/110DC/3RW, -RPT-110UC/21HC/RW, -RPT-110UC/21-21/RW, -RPT-110UC/21-21AU/RW, -OPT-110DC/24DC/3RW, -OPT-110DC/300DC/1, -OPT-110DC/110DC/3RW, -RPT-110UC/21/RW, -RPT-110UC/21AU/RW, -RPT-120UC/21HC, -RPT-120UC/21-21, -RPT-120UC/21-21AU, -OPT-120AC/300DC/1,, -OPT-125DC/300DC/1, -OPT-220DC/300DC/1, -OPT-230AC/300DC/1, -RPT-230UC/21HC, -RPT-230UC/21-21, -RPT-230UC/21-21AU, -RPT-230UC/21-21AU/RWF, -PT-S/H, -PT-EIK 1-SVN 24M, -PT-EIK 1-SVN 24P/P, -RPT-48UC/21AU.

Interface modules Model(s) PLC followed by RSC, -RSP, -OSC, or -OSP may be followed by suffix -TTL, -5DC, -12DC, -24DC, -36DC, -48DC, -60DC, -72DC, -96DC, -110DC, -125DC, -220DC, or -24UC, -36UC, -48UC, 72UC, 96UC, -100UC, -110UC, 120UC, -200UC, -230UC; may be followed by suffix -TTL, /1, /1IC, /2, /21, /1-1, /21AU, /1AU, /2AU, /21RW, /21-21, /21-21AU, /10, /24, /24DC, /48DC, /110DC, /300DC or /21HC; followed by suffix /1, /2, /3, /5, /RW, /RWF, /SEN, /3RW, /ACT, /10, /100, /500, /SO240, /SO46; may be followed by suffix /R, /W

PLC- followed by HSC- or HPT- followed by 24DC/ followed by 230AC followed by /10

Type PLC-ESK-GY

Types PLC-SC, PLC-SP followed by suffix -S, followed by suffix /H or /L, or followed by suffix -EIK 1-SVN, followed by suffix /24M or 24P/P

Open Type Industrial Control Switches Model(s) EMD-BL-3V-400, EMD-BL-3V-400-PT, EMD-BL-C-10, EMD-BL-C-10-PT, EMD-BL-PH-480, EMD-BL-PH-480-PT, EMD-BL-V-230, EMD-BL-V-230-PT, ETD-BL-1T-230, ETD-BL-1T-230-PT, ETD-BL-2T-I-230, ETD-BL-2T-I-230-PT

Open Type, Accessory Model(s) PLC-V8, PLC-V8L f/b /FLK14, /D15S, or /D15B followed by /IN or /OUT or /OUT/M, IN/M

PLC-V8C followed by SC- or PT- followed by BM, EM or SAM

Open type, Electromechanical switches Model(s) RIF-1-RPT-LDP-110DC/2x21/FG, RIF-1-RPT-LDP-24DC/2x21/FG, RIF-1-RSC-LDP-110DC/2x21/FG, RIF-1-RSC-LDP-24DC/2x21/FG

Open type, Manually operated switches Model(s) CB TM1 0.5A F1 P (a), CB TM1 0.5A M1 P (a), CB TM1 0.5A SFB P (a), CB TM1 10A F1 P (a), CB TM1 10A M1 P (a), CB TM1 10A SFB P (a), CB TM1 12A F1 P (a), CB TM1 12A M1 P (a), CB TM1 12A SFB P (a), CB TM1 16A F1 P (a), CB TM1 16A M1 P (a), CB TM1 16A SFB P (a), CB TM1 1A F1 P (a), CB TM1 1A M1 P (a), CB TM1 2A F1 P (a), CB TM1 2A M1 P (a), CB TM1 2A SFB P (a), CB TM1 3A F1 P (a), CB TM1 3A M1 P (a), CB TM1 3A SFB P (a), CB TM1 4A F1 P (a), CB TM1 4A M1 P (a), CB TM1 4A SFB P (a), CB TM1 5A F1 P (a), CB TM1 5A M1 P (a), CB TM1 5A SFB P (a), CB TM1 6A F1 P (a), CB TM1 6A M1 P (a), CB TM1 6A SFB P (a), CB TM1 8A F1 P (a), CB TM1 8A M1 P (a), CB TM1 8A SFB P (a), CB TM1 IA SFB P (a)

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

Industrial Control Switches, "Open Type Switches" Model(s) Models ELR H, followed by 51, 31, 5 or 3, followed by IES, IS or I, followed by SC or PT, followed by 24DC/500AC, followed by 9, 3 or -06, followed by P, PC or P-PC.

Investigated to

Industrial Control Switches Model(s) ELR followed by 3 or 2+1 followed by -230AC/500AC or -24DC/500AC followed by -2, -9, -16 or -37.

ELR H5 or H3 followed by -IES or -I, followed by -PT, followed by -SWD/500AC, followed by -9, -3 or -06, may be followed by -IOL

ETD-BL-1T-F followed by suffixes -10S, -300S, -30MIN or -300MIN. All may be followed by suffix -SP or -PT.

ETD-BL-1T-OFF-CC followed by suffixes -10S, -300S, -30MIN or -300MIN. All may be followed by suffix -SP or -PT.

ETD-BL-1T-ON followed by suffixes -10S, -300S, -30MIN or -300MIN. All may be followed by suffix -SP or -PT.

ETD-BL-1T-ON-CC followed by suffixes -10S, -300S, -30MIN or -300MIN. All may be followed by suffix -SP or -PT.

Models ELR H5 or H3 followed by -IES or -I, followed by -SC/24DC/500AC or -PT/24DC/500AC, followed by -9, -3 or -06, followed by -IFS

Models EMS followed by -RO, -ROS, -DO or -DOS, followed by -T followed by -2,4 or -9 followed by -SWD followed by -PXC

PLC followed by -RPT, -OPT followed by suffix -5DC, -12DC, -24DC, -36DC, -48DC, -60DC, or -24UC, -120UC, -230UC, followed by suffix /1, /24DC, /48DC, /230AC, /21, /21AU, /1AU, /21RW, may be followed by suffix /1, /2, /100, /ACT, /SEN, may be followed by suffix /1, /2, /ACT, /SEN, /SO46

PLC followed by RSC, -RSP, -OSC, or -OSP, may be followed by suffix -TTL, -5DC, -12DC, -24DC, -36DC, -48DC, -60DC, -72DC, -96DC, -110DC, -125DC, -220DC, or -24UC, -36UC, -48UC, 72UC, 96UC, -100UC, -110UC, 120UC, -200UC, -230UC, may be followed by suffix -TTL, /1, /1IC, /2, /21, /1-1, /21AU, /1AU, /2AU, /21RW, /21-21, /21-21AU, /2x21, /10, /24, /24DC, /48DC, /110DC, /300DC or /21HC, followed by suffix /1, /2, /3, /5, /RW, /RWF, /SEN, /3RW, /ACT, /10, /100, /500, /SO240, /SO46, /MS, /FG, may be followed by suffix /R, /W. Types PLC-RSC, PLC-RSP followed by

suffix 24UC/1/S, followed by suffix /H or /L. All models may or may not be followed by /KTA. Types PLC-SC, PLC-SP followed by suffix -S, followed by suffix /H or /L. Types PLC-SC, PLC-SP followed by suffix -EIK 1-SVN, followed by suffix /24M or 24P/P. Type PLC-ESK-GY

PLC followed by -RPT- 24DC/21-21/MS, -RPT- 24UC/21-21/MS, -RPT- 48DC/21-21/MS, -RPT-120UC/21-21/MS, -RPT-230UC/21-21/MS, -RPT- 24DC/21-21AU/MS, -RPT- 24UC/21-21AU/MS, -RPT- 48DC/21-21AU/MS, -RPT-120UC/21-21AU/MS, -RPT-230UC/21-21AU/MS, -RPT- 24DC/21HC/MS, -RPT- 24UC/21HC/MS, -RPT- 48DC/21HC/MS, -RPT-120UC/21HC/MS, -RPT-230UC/21HC/MS, -RPT- 24DC/2x21/FG, -RPT- 24UC/2x21/FG

PLC- followed by HSC- or HPT- followed by 24DC/followed by 230AC followed by /10.

PLC-V8, PLC-V8L followed by /FLK14, /D15S, or /D15B, followed by /IN or/OUT or /OUT/M, IN/M

PLC-V8C followed by SC- or PT-/followed by BM, EM or SAM

(a) - Devices are provided with mating socket CB 1/6-2/4 PT-BE or CB 1/10-1/10 UT-BE.

* - Followed by alpha numeric code.

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Relays Model(s) 2834232, 2834245, 2834258, 2834261, 2834274, 2834287, 2834290, 2834300, 2903660, 2903662, 2903663, 2903664, 2903665, 2903667, REL-IR2/L-120AC/2X21, REL-IR2/LDP-48DC/2X21, REL-IR2/LDP-60DC/2X21, REL-IR2/LDP-110DC/2X21

Solid state switches Model(s) *2967950, *2967963, *2982139

Investigated to

Industrial Control Switches Model(s) 1012698, 1012737, 1013727, 2834821, 2834834, 2834847, 2909940, 2909941, 2909942, 2909943, 2909944, 2909945, 2909946, 2909947, 2909948, 2909949, 2909951, 2909952, 2909953, 2909954, 2909955, 2909956, 2909957, 2909958, 2909959, 2909960, 2909961, 2909962, 2909964, 2909965, 2909966, 2909967, 2961192, 2961215, 2961257, 2961309, 2961312, 2961341, 2961406, 2961419, 2961422, 2961435, 2961448, 2961451, 2961464, 2961477, 2961480, 2961503, 2961516, 2961529, 2961532, 2961545, REL-IR4/L-24AC/4X21/EX, REL-IR4/L-24AC/4X21AU/EX, REL-IR4/L-48AC/4X21/EX, REL-IR4/L-48AC/4X21AU/EX, REL-IR4/L-100AC/4X21/EX, REL-IR4/L-100AC/4X21AU/EX, REL-IR4/L-120AC/4X21/EX, REL-IR4/L-120AC/4X21AU/EX, REL-IR4/L-200AC/4X21/EX, REL-IR4/L-200AC/4X21AU/EX, REL-IR4/L-230AC/4X21/EX, REL-IR4/L-230AC/4X21AU/EX, REL-IR4/LDP-12DC/4X21/EX, REL-IR4/LDP-12DC/4X21AU/EX, REL-IR4/LDP-24DC/4X21/EX, REL-IR4/LDP-24DC/4X21AU/EX, REL-IR4/LDP-48DC/4X21/EX, REL-IR4/LDP-48DC/4X21AU/EX, REL-IR4/LDP-60DC/4X21/EX, REL-IR4/LDP-60DC/4X21AU/EX, REL-IR4/LDP-110DC/4X21/EX, REL-IR4/LDP-110DC/4X21AU/EX, REL-IR4/LDP-125DC/4X21/EX, REL-IR4/LDP-125DC/4X21AU/EX, REL-IR4/LDP-220DC/4X21/EX, REL-IR4/LDP-220DC/4X21AU/EX, REL-MLR-1XU/G 24 GOLD, REL-MLR-1XU/G 12 GOLD, REL-MLR-1XU/G 24 GOLD, REL-MLR-1XU/G 48, REL-MLR-1XU/W 24 GOLD, REL-MLR-1XU/W 120, REL-MLR-1XU/W120 GOLD, REL-MLR-1XU/W230, REL-MLR-1XU/W230 GOLD, REL-MLR-2XU/G 12, REL-MLR-2XU/G 24, REL-MLR-2XU/G 24 GOLD, REL-MLR-2XU/G 48, REL-MLR-2XU/G 48 GOLD, REL-MLR-2XU/W 24, REL-MLR-2XU/W 24 GOLD, REL-MLR-2XU/W120, REL-MLR-2XU/W120 GOLD, REL-MLR-2XU/W230, REL-MLR-2XU/W230 GOLD

Industrial Control Switches , Relay Model(s) 2909321

2909416 followed by 20, 21, 23, followed by 12, 13 or 14, followed by 2 or 3, followed by 3, followed by 1 or 5, followed by 006, 012, 024, 048, 060, 100, 110, 115, 120, 125, 200, 220, 230 or 240 may be followed by any combination of letters W, T, L, D or V.

2909488, 2909737, 2909738, 2909742, 2909744, 2909917, 2909919, 2909920, 2909921, 2909923, 2909924, 2909925, 2909926, 2909927, 2909928, 2909929, 2909930, 2909931, 2909932, 2909933, 2909934, 2909935, 2909936, 2909937, 2909938, 2909939, REL-IR2/200AC/2X21AU, REL-IR2/48AC/2X21, REL-IR4/100AC/4X21/EX, REL-IR4/100AC/4X21AU/EX, REL-IR4/110DC/4X21/EX, REL-IR4/110DC/4X21AU/EX, REL-IR4/120AC/4X21/EX, REL-IR4/120AC/4X21AU/EX, REL-IR4/125DC/4X21/EX, REL-IR4/125DC/4X21AU/EX, REL-IR4/12AC/4X21AU, REL-IR4/12AC/4X21AU/EX, REL-IR4/12DC/4X21/EX, REL-IR4/12DC/4X21AU/EX, REL-IR4/200AC/4X21/EX, REL-IR4/200AC/4X21AU/EX, REL-IR4/220DC/4X21/EX, REL-IR4/220DC/4X21AU/EX, REL-IR4/230AC/4X21/EX, REL-IR4/230AC/4X21AU/EX, REL-IR4/24AC/4X21/EX, REL-IR4/24AC/4X21AU/EX, REL-IR4/24DC/4X21/EX, REL-IR4/24DC/4X21AU/EX, REL-IR4/48AC/4X21/EX, REL-IR4/48AC/4X21AU/EX, REL-IR4/48DC/4X21/EX, REL-IR4/48DC/4X21AU/EX, REL-IR4/60DC/4X21/EX, REL-IR4/60DC/4X21AU/EX

@ - Followed by AC6 through AC240 or DC6 through DC220.

Marking: Company name and model designation on the product or on the smallest unit container in which the product is packaged.

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