



## NRAG.E222109

## Programmable Controllers for Use in Hazardous Locations

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## Programmable Controllers for Use in Hazardous Locations

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E222109

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WERNER-VON-SIEMENS-STRASSE 50

92224 AMBERG, GERMANY

**Class I, Division 2, Groups A, B, C and D.**

**Analog modules**, Models 6ES7 134-4MB00-0AB0, 6ES7 134-4LB00-0AB0, 6ES7 135-4MB00-0AB0, 6ES7 135-4LB00-0AB0, 6ES7 138-4DF00-0AB0, 6ES7 138-4DF10-0AB0, 6ES7 134-4FB51-0AB0, 6ES7 134-4FB52-0AB0, 6ES7 134-4GB51-0AB0, 6ES7 134-4GB52-0AB0, 6ES7 134-4GB61-0AB0, 6ES7 134-4GB62-0AB0, 6ES7 135-4LB01-0AB0, 6ES7 135-4MB01-0AB0, 6ES7 134-4LB02-0AB0, 6ES7 134-4MB02-0AB0, 6ES7 135-4LB02-0AB0, 6ES7 135-4MB02-0AB0.

**Boolean processor**, Model 6ES7 352-5AH10-0AE0.

**Bus connector accessories**, Cat. Nos. 6ES7 972-0BA12-0XA0, 6ES7 972-0BB12-0XA0, 6ES7 972-0BA30-0XA0, 6ES7 972-0BA41-0XA0, 6ES7 972-0BB41-0XA0, 6ES7 972-0BA42-0XA0, 6ES7 972-0BB42-0XA0, 6ES7 972-0BA50-0XA0, 6ES7 972-0BB50-0XA0, 6ES7 972-0BA60-0XA0, 6ES7 972-0BB60-0XA0, 6ES7 972-0DA30-0XA0, 6ES7 972-0BA51-0XA0, 6ES7 972-0BB51-0XA0, 6ES7 972-0BA52-0XA0, 6ES7 972-0BB52-0XA0, 6GK1 500-0FC10.

**Digital electronic module**, Model 6ES7 131-4RD00-0AB0.

**Open-type programmable controllers**, SIMATIC System ET200M, consisting of Cat. No. 6ES7, followed by 153-1AA03, 153-2AA02, 153-2AB01, 153-2AB03, 153-2BA00, 153-2BA01, 153-2BA02, 153-2BA81, 153-2BA82, 153-2BB00, 153-4AA00, 153-4AA01, 157-0AA81, 157-0AA82, 157-0AC81, 157-0AC82, 157-0AC83, 157-0AE80, 195-7HA00, 195-7HB00, 195-7HC00, 195-7HD10, 195-7HD80, 195-7HG80, 197-1LB00, 972-0DA00.

SIMATIC System S7-300, consisting of Cat. No. 6ES7, followed by 312-5BD00, 312-5BD01, 312-5BE03, 313-5BE00, 313-5BE01, 313-5BF03, 313-6BE00, 313-6BE01, 313-6BF03, 313-6CE00, 313-6CE01, 313-6CF03, 314-6BF00, 314-6BF01, 314-6BF02, 314-6BG03, 314-6CF00, 314-6CF01, 314-6CF02, 314-6CG03, 315-6FF00.

SIMATIC System ET200S consisting of Cat. No. 6ES7, followed by 131-4BB00, 131-4BB01, 131-4BD00, 131-4BD01, 131-4BD50, 131-4BD51, 131-4BF00, 131-4BF50, 132-4BB00, 132-4BB01, 132-4BB30, 132-4BB31, 132-4BD00-..A., 132-4BD00-..B., 132-4BD01, 132-4BD02, 132-4BD30-..A., 132-4BD30-..B., 132-4BD31, 132-4BD32, 132-4BD50, 132-4BF00-..A., 132-4BF00-..B., 132-4BF50, 132-4HB00, 132-4HB01, 132-4FB01, 134-4FB00, 134-4FB01, 134-4FB50, 132-4HB50, 134-4GB00, 134-4GB01, 134-4GB10, 134-4GB11, 134-4GB50, 134-4GB60, 134-4JB00, 134-4JB01, 134-4JB51, 134-4JB50, 134-4JD00, 134-4NB00, 134-4NB01, 134-4NB50, 134-4NB51, 135-4FB00, 135-4FB01, 135-4FB52, 135-4GB00, 135-4GB01, 135-4GB52, 138-4AA00, 138-4AA01, 138-4AA10, 138-4AA11, 138-4CA00, 138-4CA01, 138-4CA50, 138-4CA60, 138-4CB11, 138-4CF00, 138-4CF01, 138-4CF02, 138-4CF03, 138-4CF40, 138-4CF41, 138-4CF42, 138-4DA00, 138-4DA01, 138-4DA02, 138-4DA03, 138-4DA04, 138-4DB01, 138-4DB00, 138-4DB02, 138-4DB03, 138-4DC00, 138-4DD00, 138-4DE00, 138-4DE01, 138-4DE02, 138-4DF01, 138-4DF11, 138-4DG00, 138-4DH00, 138-4DJ00, 138-4DK00, 138-4DL00, 138-4FA00, 138-4FA01, 138-4FA02, 138-4FA03, 138-4FA04, 138-4FB00, 138-4FB01, 138-4FB02, 138-4FB03, 138-4FC00, 138-4FC01, 138-4FD00, 138-4FR00, 138-4GA00, 138-4GA50, 138-4GD00, 138-4HA00, 151-1AA00, 151-1AA01, 151-1AA02, 151-1AA03, 151-1AA04, 151-1AA05, 151-1AB01, 151-3AA23, 151-1AB02, 151-1BA00, 151-1BA01, 151-1BA02, 151-1CA00, 151-3AA00, 151-3AA10, 151-3AA20, 151-3AA22, 151-3BA00, 151-3BA20, 151-3BA50, 151-3BA60, 151-3BA22, 151-3BA23, 151-3BB21, 151-3BB22, 151-3BB23, 151-7AA00, 151-7AA01, 151-7AB00, 151-1AB00, 151-1AB03, 151-1AB05, 151-7AA10, 151-7AA11, 151-7AA13, 151-7AA20, 151-7FA00, 151-7FA01, 151-7FA20, 151-8AB00, 151-8FB00, 158-3AD00, 158-3AD01, 193-4JA00, and 3RK1 005-0LB00.

SIMATIC System S7-300 consisting of Cat. No. 6ES7, followed by 174-0AA00, 174-0AA10, 195-7HD00, 195-7HE80, 195-7HF80, 654-7HY00, 654-0YK00, 654-0YS00, 972-0AA01, 972-0AB00, 322-8BF00, 322-8BF80, 322-8BH00, 326-1BK00, 326-1BK01, 326-1BK02, 326-1RF00, 326-2BF00, 326-2BF01, 326-2BF10, 326-2BF41, 326-2BF40, 327-1BH00, 331-7KB02, 331-7KB82, 331-7KF02, 331-1KF01, 331-1KF02, 331-7HF01, 331-7PE10, 331-7RD00, 331-7SF00, 331-7TB00, 331-7TF00, 331-7TF01, 332-5HB01, 332-5HB81, 332-5HD01, 332-5HP00, 332-5RD00, 332-5TB00, 332-8TF00, 332-8TF01, 336-1HE00, 336-4GE00, 321-1BH02, 321-1BH50, 321-1BH82, 321-1BL00, 321-1BL80, 321-1BL80, 321-7BH00, 321-7BH80, 321-7RD00, 321-7TH00, 321-1BP00, 322-1BF01, 322-1BH01, 322-1BH81, 322-1BL00, 322-1BP00, 322-1BP50, 322-5RD00, 322-5SD00, 340-1AH01, 340-1AH02, 340-1BH00, 340-1BH02, 340-1CH00, 340-1CH02, 195-7KF00, 195-7HG00, 323-1BL00, 323-1BH01, 323-1BH81, 334-0CE01, 314-5AE10, 318-2AJ00, 318-3EL00, 318-3EL01, 318-3FL00, 318-3FL01, 315-2AF03, 315-2AF83, 315-2EG10, 315-2EH13, 315-2EH14, 315-2FH10, 315-2FH13, 315-2FJ14, 315-6TG10, 315-6TH13, 316-2AG00, 350-2AH00, 350-2AH01, 334-0KE00, 334-0KE80, 178-4BH00, 341-1AH01, 341-1AH02, 341-1BH01, 341-1BH02, 341-1CH01, 341-1CH02, 355-0VH00, 355-0VH00, 355-1VH00, 355-1VH10, 355-1VH10, 338-4BC00, 338-4BC01, 312-5AC02, 312-5AC82, 313-1AD03, 314-1AE04, 314-1AE84, 314-5AE03, 314-5AE83, 614-1AH03, 365-0BA01, 365-0BA81, 360-3AA01, 361-3CA01, 352-1AH01, 352-1AH02, 351-1AH01, 351-1AH02, 350-1AH02, 350-1AH03, 335-7HG01, 335-7HG02, 374-2XH01, 370-

0AA00, 321-1BH10, 321-7BH81, 321-7BH01, 322-1BH10, 370-0AA01, **972-0AB01**, 317-2EJ10, 317-2EK13, 317-2EK14, 317-2FJ10, 317-2FK13, 317-2FK14, 317-6FF00, 317-6FF03, 317-6TJ10, 317-6TK13, 338-7XF00, 667-1DD00, 677-1FD00, 677-1DD40, 677-1DD50.

SIMATIC System S7-300 CPU Modular, consisting of Cat. No. 6ES7, followed by 312-1AD10, 312-1AE13, 312-1AE14, 314-1AF10, 314-1AF11, 314-1AG13, 314-1AG14, 315-2AG10, 315-2AH14, 315-6FF01, and 315-6FF04.

Operator Panel Series SIMATIC C7, consisting of Model C7-613, Cat. No. 6ES7 613-1CA00-.... and 6ES7 613-1CA01-....; Model C7-635TB, Cat. No. 6ES7 635-2EB00-.... and 6ES7 635-2EB01-....; Model C7-635K, Cat. No. 6ES7 635-2EC00-.... and 6ES7 635-2EC01-....; Model C7-636 Touch, Cat. No. 6ES7 636-2EB00-....; Model C7-636K, Cat. No. 6ES7 636-2EC00-.....

Operator Panel Series SIMATIC OP270-10, OP73, OP73micro, OP77A, OP77B, OP 177B DP, OP 177B PN/DP, OP 277-6, TP177A, TP177micro, TP 177B DP, TP 177B PN/DP, TP 177B PN/DP HK OEM, OEM TP 177B PN/DP HK, TP 177B color INOX OEM, TP 177B color INOX, TP 177B-4 color PN/DP, TP270-6, TP270-10, TP 277-6, MP270B-6 Key, MP270B-6 TOUCH, MP270B-10 TOUCH, MP177-6 Touch, MP 277K-8, MP 277T-8, MP 277K-10, MP 277T-10, MP 277T-10 INOX, MP 277T-10 INOX Ex2, MP 277T-10 INOX OEM, MP 377 12" Key, MP 377 12" Touch, MP 377 15" Touch, MP 377 15" Touch INOX, MP 377 15" Touch Daylight, MP 377 19" Touch, PP 17-I PN PROFIsave, PP 17-II PN, and PP 17-II PN PROFIsave consisting of Cat. No. 6AV6, followed by 542-0CC10, 641-0AA11, 640-0BA11, 641-0BA11, 641-0CA01, 642-0DC01, 642-0DA01, 643-0BA01, 642-0AA11, 640-0CA11, 642-0BC01, 642-0BA01, 642-7BA11, 642-7BA11, 642-8BA1, 642-8BA10, 545-0CA10, 545-0CC10, 643-0AA01, 542-0AH10, 545-0AH10, 545-0AG10, 643-0DB01, 643-0CB01, 643-0DD01, 643-0CD01, 643-8AD10, 643-0ED01, 643-8AD1, 6AV3 688-4CX07, 6AV3 688-4EY06, and 6AV3 688-4EY07.

Bus terminal, 66K1 500-0AA10.

**Programmable controller modules**, Models 6ES7 131-4CD00-0AB0, 6ES7 132-4HB10-0AB0, 6ES7 132-4FB00-0AB0, 6ES7 138-4CB00-0AB0, 6ES7 138-4CB10-0AB0, 6ES7 131-4EB00-0AB0, 6ES7 131-4FB00-0AB0, 6ES7 138-4CB11-0AB0; Analog modules, Models 6ES7 134-4MB00-0AB0, 6ES7 134-4LB00-0AB0, 6ES7 135-4MB00-0AB0, 6ES7 135-4LB00-0AB0, 6ES7 138-4DF00-0AB0, 6ES7 138-4DF10-0AB0, 6ES7 134-4FB51-0AB0, 6ES7 134-4GB51-0AB0, 6ES7 134-4GB61-0AB0, 63S7 135-4LB01-0AB0, 6ES7 135-4MB01-0AB0, 6ES7 134-4LB02-0AB0, 6ES7 134-4MB02-0AB0, 6ES7 135-4LB02-0AB0, 6ES7 135-4MB02-0AB0, 6ES7 134-4LB02-0AB0, 6ES7 134-4MB02-0AB0, 6ES7 135-4LB02-0AB0, 6ES7 135-4MB02-0AB0. Digital Electronic Module, Model 6ES7 131-4RD00-0AB0.

**Programmable controller modules**, Models 6ES7 321-1CH00-0AA0, 6ES7 322-5GH00-0AB0, 6ES7 321-1FF01-0AA0, 6ES7 321-1FF81-0AA0, 6ES7 322-1FF01-0AA0, 6ES7 322-1FF81-0AA0, 6ES7 321-CH800-0AA0, 6ES7 321-1EL00-0AA0, 6ES7 321-1FF10-0AA0, 6ES7 321-1FH00-0AA0, 6ES7 322-1CF80-0AA0, 6ES7 322-1EL00-0AA0, 6ES7 322-1FH00-0AA0, 6ES7 322-1HF20-0AA0, 6ES7 322-5FF00-0AB0, 6ES7 322-5HF00-0AB0, 6ES7 331-7NF00-0AB0, 6ES7 331-7NF10-0AB0, 6ES7 331-7PF00-0AB0, 6ES7 331-7PF10-0AB0, 6ES7 332-7ND00-0AB0, 6ES7 332-7ND01-0AB0, 6ES7 352-5AH00-0AE0, 6ES7 321-1CH20-0AA0, 6ES7 322-1CF00-0AA0, 6ESY 322-1FL00-0AA0, 6ES7331-7PF01-0AB0, 6ES7 332-7ND02-0AB0, 6ES7 331-7PF11-0AB0. Boolean Processor Model, 6ES7 352-5AH10-0AE0. For Use In Class I, Division 2, Groups A, B, C and D, Hazardous Locations.

**Programmable controller modules**, Models 6ES7 131-4CD00-0AB0, 6ES7 132-4HB10-0AB0, 6ES7 132-4FB00-0AB0, 6ES7 138-4CB00-0AB0, 6ES7 138-4CB10-0AB0, 6ES7 131-4EB00-0AB0 and 6ES7 131-4FB00-0AB0.

**Programmable controller modules**, Models 6ES7 321-1CH00-0AA0, 6ES7 322-5GH00-0AB0, 6ES7 321-1FF01-0AA0, 6ES7 321-1FF81-0AA0, 6ES7 322-1FF01-0AA0, 6ES7 322-1FF81-0AA0, 6ES7 321-CH800-0AA0, 6ES7 321-1EL00-0AA0, 6ES7 321-1FF10-0AA0, 6ES7 321-1FH00-0AA0, 6ES7 322-1CF80-0AA0, 6ES7 322-1EL00-0AA0, 6ES7 322-1FH00-0AA0, 6ES7 322-1HF20-0AA0, 6ES7 322-5FF00-0AB0, 6ES7 322-5HF00-0AB0, 6ES7 331-7NF00-0AB0, 6ES7 331-7NF10-0AB0, 6ES7 331-7PF00-0AB0, 6ES7 331-7PF10-0AB0, 6ES7 332-7ND00-0AB0, 6ES7 332-7ND01-0AB0, 6ES7 352-5AH00-0AE0, 6ES7 321-1CH20-0AA0, 6ES7 322-1CF00-0AA0, 6ESY 322-1FL00-0AA0, 6ES7331-7PF01-0AB0, 6ES7 332-7ND02-0AB0, 6ES7 331-7PF11-0AB0.

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