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Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate supersedes certificate number 91/20112 (E9) issued on 14.02.2013 which is hereby cancelled.

This certificate is issued to:

PRODUCER WAGO Kontakttechnik GmbH & Co. KG

DESCRIPTION Rail mounted terminal blocks with cage clamp spring

TYPES

Partly Ex-protected II2G Ex eII, PTB 00 ATEX 3113 U for series 279	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	279-... with suffixes -101, -102, -104, -105, -901, -902, -903, -904, -905, -906, -989, -990,- 992
three-conductor through terminal block, 1-pole	279-... with suffixes -681, -682, -684, -683, -685, -686, -993
four-conductor through terminal block, 1-pole	279-... with suffixes -604, -621, -831, -832, -834, -994, -835, -836, -833
Rail mounted earth terminal block two-conductor earth terminal block, 1-pole	279-... with suffixes -907, -907/999-950
three-conductor earth terminal block, 1-pole	279-... with suffixes -687, -687/999-950
four-conductor earth terminal block, 1-pole	279-... with suffixes -837, -837/999-950
Shield conductor terminal blocks two-conductor shield terminal block, 1-pole	279-908
three-conductor shield terminal block, 1-pole	279-688
four-conductor shield terminal block, 1-pole	279-838
Double Potential terminal blocks four-conductor potential terminal block, 1-pole	279-... with suffixes -626, -826, -995

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TYPES CONTINUED

Diode and LED terminal blocks four-conductor diode terminal block, 2-poles	279-... with suffixes -623/281-410, -623/281-411
four-conductor diode terminal block, 2-poles	279-620/281 -408
four-conductor LED terminal block, 2-poles	279-... with suffixes -624/281-434, -624/281-413
Partly Ex-protected II2G Ex eII, PTB 99 ATEX 3109 U for series 280	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	280-... with suffixes -101, -104, -601, -602, 691,-901, -902, -903, -904, -905, -906, -991,-992
three-conductor through terminal block, 1-pole	280-... with suffixes -641, -650, -651, -653, -654,-671, -672, -681, -684, -898, -993, -998
four-conductor through terminal block, 1-pole	280-... with suffixes -603, -604, -621, -633, -634, -646, -656, -699, -830, -831, -832, -833,-834, -835, -946, -990, -994, -996, -999
Rail mounted earth terminal block two-conductor earth terminal block, 1-pole	280-... with suffixes -107, -108, -607, -907, -107/999-950, -607/999-950, -907/999-950
three-conductor earth terminal block, 1-pole	280-... with suffixes -637, -687 -637/999-950, -687/999-950
four-conductor earth terminal block, 1-pole	280-... with suffixes -677, -837 -677/999-950
Shield conductor terminal blocks three-conductor shield terminal block, 1-pole	280-640
four-conductor shield terminal block, 1-pole	280-... with suffixes -678, -838
Double deck terminal blocks two-conductor through/through terminal block, 2-poles	280-... with suffixes -513, -519, -520, -523, -524, -529, -530, -533, -534, -539, -540, -541, -542, -543
two-conductor earth/through terminal block	280-... with suffixes -517, -527, -537
two-conductor through/disconnect terminal block, 2-poles	280-... with suffixes -521, -522, -525, -526
two-conductor through/carrier terminal block, 2-poles	280-... with suffixes -531, -532

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Triple deck terminal blocks two-conductor earth/through/through terminal block, 3-poles	280-... with suffixes -510, -547, -557, -597
two-conductor shield/through/through terminal block, 3-poles	280-... with suffixes -548, -558
two-conductor through/through/through terminal block, 3-poles	280-... with suffixes -549, -550, -551, -552
Disconnect terminal blocks two-conductor disconnect terminal block, 1-pole	280-... with suffixes -612, -627, -649, -912
three-conductor disconnect terminal block, 1-pole	280-683
two-conductor disconnect terminal block, 1-pole	280-... with suffixes -874, -881, -883, -885
two-conductor disconnect terminal block, 1-pole	280-... with suffixes -868, -870, -876, -879
two- and four-conductor disconnect terminal block with shield	280-... with suffixes -869, -882, -884-871, -875, -880,
four-conductor disconnect terminal block, 1-pole	280-... with suffixes -622, -685, -676, -695
Carrier terminal blocks two-conductor carrier terminal block, 1-pole	280-... with suffixes -616, -916
three-conductor carrier terminal block, 1-pole	280-610
four-conductor carrier terminal block, 1-pole	280-... with suffixes -606, -686
Double potential terminal blocks four-conductor double potential terminal block, 1-pole	280-... with suffixes -626, -826, -989, -995
LED and variable resistor terminal blocks two- and four-conductor diode terminal block	280-... with suffixes -613, -915, -673, -623-655 and additional suffixes /281-410, /281-411
variable resistor terminal block	280-... with suffixes -615/281-412, -645/281-412 -61 5/281-428 250 V
double deck diode terminal block	280-... with suffixes -940/281-410, -940/281-411, -941/281-492 -941/281-941, -942/28 1 -487, -942/281-489, -942/281-490 250V

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four-conductor LED terminal block	280-... with suffixes -624/281-434, -624/281-413, -624/281-413 24V
double deck LED terminal block	280-... with suffixes -943/281-434, -943/281-413
Partly Ex-protected II2G EEx eII, PTB 00 ATEX 3110 U for series 281	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	281-... with suffixes -101, -104, -191, -604, -601,-691, -901, -902, -903, -904, -905, -906,-991, -992
three-conductor through terminal block, 1-pole	281-... with suffixes -631, -651, -678, -679, -681,-684, -685, -686, -693, -695, -993, -998
four-conductor through terminal block, 1-pole	281-... with suffixes -652, -653, -654, -655,-663,-664, -668, -994
Rail mounted earth and shield terminal blocks two-conductor earth terminal block, 1-pole	281-... with suffixes -107, -607, -637, -907, -108,-107/999-950, -607/999-950, -637/999-950, -907/999-950
three-conductor earth terminal block, 1-pole	281-... with suffixes -687, -687/999/950
four-conductor earth terminal block, 1-pole	281-... with suffixes -657, -657/999-950
four-conductor shield terminal block, 1-pole	281-658
Double deck terminal blocks two-conductor through/through terminal block, 2-poles	281-... with suffixes -619, -620, -629, -630
Four deck terminal blocks two-conductor through/through/through terminal block, 3-poles, one-conductor earth terminal block, 1-pole	281-530
Disconnect terminal blocks two-conductor disconnect terminal block, 1-pole	281-...with suffixes -666, -912
three-conductor disconnect terminal block, 1-pole	281-683
four-conductor disconnect terminal block, 1-pole	281-... with suffixes -659, -660

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TYPES CONTINUED

Carrier terminal block two-conductor carrier terminal block, 1-pole	281-916
three-conductor carrier terminal block, 1-pole	281-610
four-conductor carrier terminal block, 1-pole	281-656
Carrier terminal block with disconnect plug two-conductor carrier terminal block, 1-pole	281-624
Diode and LED terminal blocks two- and four-conductor diode terminal block	281-... with suffixes -603, -915, -673, -665 and additional suffixes /281-400, /281-401, /281-410, /281-411
double deck diode terminal block	281-... with suffixes -633/281-410, -633/281 -411, -635/281 -492, -635/281-491, -636/281 -487, 636/281-488, -635/281 -489, -635/281 -490
double deck LED terminal block	281-... with suffixes -634/281-434, -634/281-413
Partly Ex-protected II2G Ex eII, PTB 98 ATEX 3131 U for series 282	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	282-... with suffixes -101, -102, -104, -105, -191,-601, -604, -691, -901, -902, -904, -992
two-conductor through terminal block, 1-pole	282-...694, -699, with suffixes -681, -682, -684, -993,
three-conductor through terminal block, 1-pole three-conductor through terminal block, 1-pole, with test plug, type 282-865 is provided with a branch for a connection bridge	282-... with suffixes -865, -866
Rail mounted earth terminal block two-conductor earth terminal block, 1-pole	282-... with suffixes -107, -607, -907, -108, -107/999-950, -607/999-950, -907/999-950
three-conductor earth terminal block, 1-pole	282-... with suffixes -687, -687/999-950
Disconnect terminal blocks two-conductor disconnect terminal block, 1-pole	282-... with suffixes -132, -136, -131, -135,-138,-139, -140, -141

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two-conductor disconnect terminal block, 1-pole	282-... with suffixes -695, -697
three-conductor disconnect terminal block, 1-pole, with test plug, type 282-870 is provided with a branch for a connection bridge	282-... with suffixes -860, -870
Partly Ex-protected II2G Ex eII, PTB 98 ATEX 3132 U for series 283	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	283-... with suffixes -101, -102, -103, -104, -105, -191, -601, -604, -691, -901, -902, -904, -992
three-conductor through terminal block, 1-pole	283-... with suffixes -671, -672, -674
Rail mounted earth terminal blocks two-conductor earth terminal block, 1-pole	283-... with suffixes -107, -607, -609, -907, -108, -107/999-950, -607/999-950, -609/999-950, -907/999-950
three-conductor earth terminal block, 1-pole	283-... with suffixes -677, -998, -677/999-950
Disconnect terminal blocks two-conductor disconnect terminal block, 1-pole	283-... with suffixes -113, -123
Partly Ex-protected II2G Ex eII, PTB 98 ATEX 3133 U for series 284	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	284-... with suffixes -101, -103, -104, -191, -601, -604, -691, -901, -902, -904, -992
three-conductor through terminal block, 1-pole	284-... with suffixes -681, -682, -684, -993
Rail mounted earth terminal blocks two-conductor earth terminal block, 1-pole	284-... with suffixes -107, -607, -907, -107/999-950, -607/999-950, -907/999-950
three-conductor earth terminal block, 1 -pole	284-... with suffixes -687, -687/999-950
Partly Ex-protected II2G EEx eII, PTB 98 ATEX 3134 U and II2 G/D EEx e II, KEMA 00 ATEX 2015 U for series 285	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	285-... with suffixes -601, -604, -691

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two-conductor through terminal block	285-... with suffixes -634, 635
two-conductor through terminal block, 1-pole	285-... with suffixes -194, -195
Rail mounted earth terminal blocks two-conductor earth terminal block, 1-pole	285-… with suffixes -607, -607/999-950, -637
two-conductor earth terminal block, 1-pole	285-197
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	285-… with suffixes -135, .134
two-conductor earth terminal block, 1-pole	285-137
Screwless terminal blocks two-conductor through terminal block, 1-pole (1 screwless and 1 piercing clamping unit)	290-... with suffixes -901 / -904
two-conductor earth terminal block, 1-pole (1 screwless and 1 piercing clamping unit)	290-907
two-conductor through terminal block, 1-pole (2 piercing clamping units)	290-... with suffixes -961 / 964
two-conductor earth terminal block, 1-pole (2 piercing clamping units)	290-967
three-conductor through terminal block, 1-pole (1 screwless and 2 piercing clamping units)	290-... with suffixes -681 / 684
three-conductor earth terminal block, 1-pole (1 screwless and 2 piercing clamping units)	290-687
three-conductor terminal block, 1-pole (3 piercing clamping units)	290-... with suffixes - 661 / 664
three-conductor earth terminal block, 1-pole (3 piercing clamping units)	290-667

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Conductor/pin receptacle terminal blocks 2-conductor/2-pin receptacle terminal block, 1-pole	769-171
2-conductor/2-pin receptacle terminal block, 5-pole	769-175
4-pin receptacle terminal block, 1-pole	769-151
4-pin receptacle terminal block, 5-pole mod.	769-155
1-conductor/1-pin receptacle terminal block, 1-pole	769-176
2-pin receptacle terminal block, 1-pole	769-156
1-conductor/1-pin receptacle terminal block, 1-pole	769-214
1-conductor/1-pin receptacle terminal block, 2-pole	769-181
2-pin receptacle terminal block, 2-pole	769-161
Conductor/pin shield (screen) terminal blocks 2-conductor/2-pin shield (screen) terminal block, 1-pole	769-211
4-pin shield (screen) receptacle terminal block, 1-pole	769-201
2-pin shield (screen) receptacle terminal block, 1-pole	769-221
1-conductor/1-pin shield (screen) terminal block, 1-pole	769-231
1-conductor/1-pin disconnect shield (screen) terminal block, 1-pole	769-233,-213
2-pin disconnect receptacle shield (screen) terminal block, 1-pole	769-203,-223
Conductor/pin ground (earth) receptacle terminal blocks 2-conductor/2-pin ground (earth) receptacle terminal block, 1-pole	769-217
4-pin ground (earth) receptacle terminal block, 1-pole	769-207
1-conductor/1-pin ground (earth) terminal block, 1-pole	769-237
2-pin ground (earth) receptacle terminal block, 1-pole	769-227

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Female plugs 1-conductor female plug	769-101,-105
2-conductor female plug	769-121,-135
2-conductor female plug	769-121/000-016, 769-101/022-000, 769-103/022-000 769-114/022-000,769-115/022-000
1-conductor angled female plug	769-114/022-000,769-115/022-000
Conductor/pin disconnect receptacle terminal blocks 1-conductor/1-pin disconnect shield (screen) terminal block, 1-pole	769-232
1-conductor/1-pin disconnect shield (screen) terminal block, 1-pole	769-212
2-pin disconnect shield (screen) terminal block, 1-pole	769-202,-222
Installation double deck terminal blocks two-conductor through/through terminal block, 2-poles	775-642
two-conductor neutral/through terminal block, 2-poles	775-649
Installation triple deck terminal block two-conductor neutral/through earth terminal block, 3-poles	775-641
two-conductor through/through/earth terminal block, 3-poles	775-645
two-conductor neutral/through/earth terminal block, 3-poles	775-646
Installation triple deck terminal blocks two-conductor neutral through/earth terminal block, 3-poles, neutral of 776-641 is carried out for disconnection	776-641

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two-conductor through through/earth terminal block, 3-poles, through neutral/earth terminal block, 3-poles	776-645, -646
Installation double deck terminal blocks two-conductor through/through terminal block, 2-poles	776-642
two-conductor neutral through terminal block, 2-poles	776-649
installation through terminal blocks	776-651
two-conductor neutral terminal block, 1-pole	776-650
Installation triple deck terminal blocks two-conductor neutral/through earth terminal block, 3-poles, neutral of 777-641 is carried out for a busbar connection of a busbar 3 x 10 mm	777-641,-646
two-conductor through/through/ earth terminal block, 3 poles	777-645
two-conductor through/through terminal block, 2-poles	777-642
two-conductor neutral/neutral terminal block with disconnect bridge, 2-poles neutral of 777-648 is carried out for a busbar connection of a busbar 3 x 10 mm	777-648, -647
Installation through terminal blocks two-conductor neutral/through terminal block, 2-poles	777-649
two-conductor neutral terminal block, 1-pole	777-651
two-conductor through terminal block, 1-pole	777-650
Partly Ex-protected II2 G/D Ex eII, PTB 00 ATEX 3128 U for series 780	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	780-… with suffixes -601, -602, -604, -992
three-conductor through terminal block, 1-pole	780-… with suffixes -631, -651, -654, -993

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Rail mounted earth terminal block two-conductor earth terminal block, 1-pole	780-… with suffixes -607, -607/999-950
three-conductor earth terminal block, 1-pole	780-… with suffixes -637, -677,-637/999-950
Rail mounted neutral terminal block two-conductor through terminal block with neutral busbar connection of a busbar 3 x 10 mm, 1-pole	780-613
Partly Ex-protected II2 G/D Ex eII, PTB 00 ATEX 3129 U for series 781	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	781-… with suffixes -601, -604, -992
three-conductor through terminal block, 1-pole	781-… with suffixes -631, -651, -993
Rail mounted earth terminal block two-conductor earth terminal block, 1-pole	781-… with suffixes -607, -607/999-950
three-conductor earth terminal block, 1-pole	781-… with suffixes -637, -637/999-950
Rail mounted neutral terminal block two-conductor through terminal block with neutral busbar connection of a busbar 3 x 10 mm, 1-pole types description	781-613
Partly Ex-protected II2G Ex eII, PTB 00 ATEX 3130 U for series 782	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	782-… with suffixes -601, -604, -992
Rail mounted earth terminal blocks two-conductor earth terminal block, 1-pole	782-… with suffixes -607, -607/999-950
Rail mounted neutral terminal blockstwo-conductor through terminal block with neutral busbar connection of a busbar 3 x 10 mm, 1-pole	782-613

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Partly Ex-protected II2 G/D Ex eII, PTB 00 ATEX 3131 U for series 783	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	783-… with suffixes -601, -604, -992
Rail mounted neutral terminal blocks two-conductor through terminal block with neutral busbar connection of a busbar 3 x 10 mm, 1-pole	783-613
Partly Ex-protected II2 G/D Ex eII, PTB 00 ATEX 3132 U for series 784	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	784-… with suffixes -601, -604, -992
Rail mounted earth terminal blocks two-conductor earth terminal block, 1-pole	784-… with suffixes -607, -607/999-950
Rail mounted neutral terminal blocks two-conductor through terminal block with neutral busbar connection of a busbar 3 x 10 mm, 1-pole	784-613
Partly Ex-protected II2 G/D Ex eII, PTB 03 ATEX 1189 U for series 862	
Terminal blocks, 2-pole	862-… with suffixes -0552, -1552, -2552, -0562, -1562, -2562, -0532, -1532, -2532
Terminal blocks, 2-pole	862-… with suffixes -0652, -1652, -2652, -0662, -1662, -2662, -0632, -1632, -2632
Terminal blocks, 3-pole	862-… with suffixes -0503, -1503, -2503, -0553, -1533, -2533, -0593, -1593, -2593, - -8503, -9503, -8533, -9533, -8593, -9593
Terminal blocks, 3-pole	862-… with suffixes -0603, -1603, -2603, -0633, -1633, -2633, -0693, -1693, -2693, -8603, -9603, -8633, -9633, -8693, -9693

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Terminal blocks, 4-pole	862-… with suffixes -0504, -1504, -2504, -0534, -1534, -2534, -0594, -1594, -2594, -8504, -9504, -8534, -9534, -8594, -9594
Terminal blocks, 4-pole	862-… with suffixes -0604, -1604, -2604, -0634, -1634, -2634, -0694, -1694, -2694, -8604, -9604, -8634, -9634,
Terminal blocks, 5-pole	862-… with suffixes -0505, -1505, -2505, -0525, -1525, -2525, -0515, -1515, -2515, -8505, -9505, -8525, -9525, -8515, -9515
	862-… with suffixes -0605, -1605, -2605, 0625, -1625, -2626, -0615, -1615, -2615, -8605, -9605, -8625, -9625, -9615,
Partly Ex-protected II2 G/D Ex eII, PTB 03 ATEX 1188 U for series 870	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	870-… with suffixes -901, -902, -904
three-conductor through terminal block, 1-pole	870-… with suffixes -681, -682, -684
four-conductor through terminal block, 1-pole	870-… with suffixes -831, -832, -834
Double deck terminal two-conductor through/through terminal block, 2-poles	870-… with suffixes -501, -502, -503, -504
two-conductor earth/through terminal block, 2-poles	870-… with suffixes -517, -527
four-conductor through terminal block, 2 levels connected to each other	870-… with suffixes -508, -509
three-conductor earth/through terminal block, 2-poles	870-… with suffixes -535, -536
three-conductor through terminal block, 2-poles	870-… with suffixes -531, -532, -533, -534
three-conductor through terminal block 2-levels connected to each other	870-… with suffixes -538, -539
Triple deck terminal blocks two-conductor through/through/through terminal block, 3-poles	870-… with suffixes -551, -553

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two-conductor shield/through/ through terminal block, 3-poles	870-… with suffixes -558, -559
two-conductor earth/through/ through terminal block, 3-poles	870-… with suffixes -567, -577
six-conductor through terminal block, 3 levels connected to each other	870-556
Rail mounted earth terminal block two-conductor earth terminal block, 1-pole	870-907
four-conductor earth terminal block, 2-levels connected to each other	870-507
six-conductor earth terminal block, 3-levels connected to each other	870-557
six-conductor earth terminal block, 2-levels connected to each other	870-537
three-conductor earth terminal block, 1-pole	870-687
four-conductor earth terminal block, 1-pole	870-837
two-conductor earth terminal block, 1-pole for mounting on top	870-917
1-conductor or 1-pin double deck terminal block one-conductor/one-pin through/through terminal block, 2-poles, pin unit connected for female plugs type 769	870-… with suffixes -101, -102, -103, -104
two-conductor/two-pin through terminal block, two levels, connected to each other, pin unit connected to female plugs type 769	870-… with suffixes -108, -109
Rail mounted through earth terminal block one-conductor/one-pin earth terminal block, 2-poles, pin unit connected to female plugs type 769	870-… with suffixes -117, 127
two-conductor/two-pin earth terminal block, two levels connected to each other, pin unit connected to female plugs type 769	870-107

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Partly Ex-protected II2 G/D Ex eII, PTB03 ATEX 1189 U for series 880	
Rail mounted through terminal blocks two-conductor through terminal block, 1-pole	880-… with suffixes -901, -904, -902
three-conductor through terminal block, 1-pole	880-… with suffixes -681, -684, -682,
Rail mounted earth terminal blocks two-conductor earth terminal block, 1-pole	880-907
three-conductor earth terminal block, 1-pole	880-687
Through terminal block with shield contact two-conductor through terminal block, 1-pole with shield (screen) contact	880-… with suffixes -961, -964, -962
three-conductor through terminal block, 1-pole with shield (screen) contact	880-… with suffixes -661, -664, -662,
Partly Ex-protected II2 G/D Ex eII, PTB05 ATEX 1094 U for series 2001	
two-conductor through terminal block, with screwless-type terminal, 1 pole	2001-1201,-1202,-1203,-1204,-1205,-1206,-1208,-1209
two-conductor earth terminal block, with screwless-type terminal, 1 pole	2201-1207
three-conductor through terminal block, with screwless-type terminal, 1 pole	2001-1301,-1302,-1303,-1304,-1305,-1306,-1308,-1309
three-conductor earth terminal block, with screwless-type terminal, 1 pole	2001-1307
four-conductor through terminal block, with screwless-type terminal, 1 pole	2001-1401,-1402,-1403,-1404,-1405,-1406,-1408,-1409
four-conductor earth terminal block, with screwless-type terminal, 1 pole	2001-1407
Terminal Blocks TOBJOB series 2000	
0,14 mm² - 1mm² rigid and flexible connectable 0,14mm² - 1,5 mm² rigid and flexible	2004-1201,-1202,-1203,-1204,-1205,-1206,-1208,-1209

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two conductor through terminal block, with screwless-type terminals, 1-poles	2000-1201,-1202,-1203,-1204,-1205,-1206,-1208,-1209
three conductor through terminal block, with screwless-type terminals, 1-poles	2000-1301,-1302,-1303,-1304,-1305,-1306,-1308,-1309
four conductor through terminal block, with screwless-type terminals, 1-poles	2000-1401,-1402,-1403,-1404,-1405,-1406,-1408,-1409
two conductor earth terminal block, with screw less-type terminals, 1-poles,	2000-1207
three conductor earth terminal block, with screw less-type terminals, 1-poles,	2000-1307
four conductor earth terminal block, with screw less-type terminals, 1-poles,	2000-1407
Partly Ex-protected II2 G Ex eII, PTB11 ATEX 1041 U for series 2000	
X-COM S System MINI Serie 2020 and terminal blocks Series 2020	
rail mounted terminal blocks	
one-conductor and one-pin through terminal block, 1-pole	2020-1201,-1204
two-conductor and two-pin through terminal block, 1-pole	2020-1401,-1404
double deck rail mounted through terminal blocks	
one-conductor and one-pin per pole terminal block,2-poles	2020-2231,-2232,-2233,-2201,-2202,-2203,-2234,-2204
one-conductor and one-pin per pole terminal block,2-poles, upper level a through terminal block, lower level a protective conductor terminal block	2020-2247,-2257,-2217,-2227
one-conductor and one-pin per pole through terminal block, 2-poles, the poles are connected together by a bridge	2020-2238,-2208,-2239,-2209

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protective conductor terminal block	
two-conductor and one-pin, protective conductor terminal block, 1-pole	2020-1307
two-conductor and two-pin, protective conductor terminal block, 1-pole	2020-1407
double deck protective conductor terminal block	
one-conductor and one-pin per pole protective conductor terminal block, 2-poles, the poles are connected together by a bridge	2020-2237,-2207
one-conductor, two last number denotes number of number of poles	2020-101 up to and including-115,-161,-164,-171,-174,-181,-184
two-conductor, two last number denotes number of number of poles	2020-202 up to including -215
one-conductor connector, base module, centre module and end module	2020-161,-164,-171,-174
two-conductor, two last number denotes number of number of poles	2020-261,-264
one protective conductor connector	2020-167,-177,-187
two- protective conductor base module with integrated end plate for self-assembly	2020-267
two- protective conductor center base module for self-assembly	2020-281,-284
	2020-287
two-conductor earth terminal block, with screwless-type terminal, 1 pole	2004-1207
three-conductor through terminal block, with screwless-type terminal, 1 pole	2004-1301,-1302,-1303,-1304,-1305,-1306,-1308,-1309
three-conductor earth terminal block, with screwless-type terminal, 1 pole	2004-1307
Partly Ex-protected II2 G/D Ex eII, PTB05 ATEX 1070 U for series 2010	

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two-conductor through terminal block, with screwless-type terminal, 1 pole	2010-1201,-1202,-1203,-1204,-1205,-1206,-1208,-1209
two-conductor earth terminal block, with screwless-type terminal, 1 pole	2010-1207
three-conductor through terminal block, with screwless-type terminal, 1-pol	2010, -1301, -1302, -1303, -1304, -1305, -1306, -1307, -1308, -1309
three conductor earth terminal block, with screwless-type terminal, 1-pol	2010-1307
plug connector for series 2002 Seal plate for 2002-501 Seal plate for 2002-501	2002-501 2002-541 2002-540
Terminal blocks TOPJOB S	
2,5 mm² rigid and flexible connectable 0,2 mm² – 4 mm² rigid and flexible	
two-conductor through terminal block, with screwless-type terminal, 1 pole	2002-1201,-1202,-1203,-1204,-1205,-1206,-1208,-1209
two-conductor earth terminal block, with screwless-type terminal, 1 pole	2202-1207
three-conductor through terminal block, with screwless-type terminal, 1 pole	2002-1301,-1302,-1303,-1304,-1305,-1306,-1308,-1309
three-conductor earth terminal block, with screwless-type terminal, 1 pole	2002-1307
Terminal blocks TOPJOB S	
May be connected 0.25 mm2 – 4 mm2 rigid and stranded connectable 0.75 mm2 – 4 mm2 rigid and 0.75 mm2 – 2.5 mm2 insulated ferrule, 12 mm	
Two-conductor through terminal block, with screwless-type terminals, 2-poles	2002 – 2231, -2232, -2233, -2234, -2201, -2202, -2203, -2208, -2204
Two-conductor through terminal block with earth connection, and screwless-type terminals, 2-poles	2002 – 2227, -2247, -2257, -2217

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Two-conductor through terminal block with screwless-type terminals, 2-poles. Upper and lower pole connected to each other	2002 – 2238, -2239, -2208, -2209
Two-conductor earth terminal block, with screwless-type terminals, 2-poles. Upper and lower pole connected to each other	2002 – 2207, -2237
Two-conductor through terminal block, with screwless-type terminals, 3-pole	2002 – 3231, -3257, -3233, -3201, -3203
Two-conductor though terminal block with earth connection and screwless-type terminals, 3-pole	2002 – 3247, -3257, -3217, -3227
Two-conductor through terminal block with shield and screwless-type terminal, 3-poles	2002 – 3248, -3258, -3218, -3228
Two-conductor earth terminal block, with screwless-type terminals, 3-poles, all poles connected to each other	2002 – 3207, -3237
four-conductor through terminal block, with screwless-type terminal, 1 pole	2002-1401,-1402,-1403,-1404,-1405,-1406,-1408,-1409
four-conductor earth terminal block, with screwless-type terminal, 1 pole	2002-1407
Partly Ex-protected II2 G/D Ex eII, PTB03 ATEX 1162 U for series 2002	
Three-conductor through terminal block, with screwless-type terminal, 1-pole, angled type	2002-6301, -6302, -6303, -6304, -6305, - 6306, -6308, -6309
Three-conductor earth terminal block, with screwless-type terminal, 1-pole angled type	2002-6307
Four-conductor through terminal block, with screwless-type terminal, 1-pole angled type	2002-6401, -6402, -6403, -6404, -6405, -6406, -6408, -6409
Four-conductor earth terminal block, with screwless-type terminal, 1-pole angled type	2002-6407
Partly Ex-protected II2 G/D Ex eII, PTB05 ATEX 1030 U for series 2006	

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6 mm² rigid and flexible connectable 0,5 mm² – 10 mm² rigid and flexible	
two-conductor through terminal block, with screwless-type terminal, 1 pole	2006-1201,-1202,-1203,-1204,-1205,-1206,-1208,-1209
two-conductor earth terminal block, with screwless-type terminal, 1 pole	2006-2007
three-conductor through terminal block, with screwless-type terminal, 1 pole	2006-1301,-1302,-1303,-1304,-1305,-1306,-1308,-1309
three-conductor earth terminal block, with screwless-type terminal, 1 pole	2006-1307
Partly Ex-protected II2 G/D Ex eII, PTB05 ATEX 1031 U for series 2016	
16 mm² rigid and flexible connectable 0,5 mm² – 16 mm² rigid and flexible (25 mm² only flexible)	
two-conductor through terminal block, with screwless-type terminal, 1 pole	2016-1201,-1202,-1203,-1204,-1205,-1206,-1208,-1209
two-conductor earth terminal block, with screwless-type terminal, 1 pole	2016-1207
three-conductor through terminal block, with screwless-type terminal, 1 pole	2016-1301,-1302,-1303,-1304,-1305,-1306,-1308,-1309
three-conductor earth terminal block, with screwless-type terminal, 1 pole	2016-1307

Terminal Blocks for series 727	
four conductor term.blocks,8-poles	727-120,-129,
thirty-two conductor Terminal blocks 1-pole	727-126,-135
Multilevel Installation Terminal Blocks for series 2003	
two conductor through terminal block, with screwless-type terminals, 2-poles	2003-7642,-7649

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two conductor earth terminal block, with screw less-type terminals, 2-poles, 1 connection to earth rail	2003-7646,-7645
two conductor through terminal block, with screwless-type terminals, 3-poles,upper pole provided for connection on N rail with dimensions of 3mmx10mm, 1 connection to earth rail	2003-7641
Multilevel Installation Terminal Blocks for series 2005	
two conductor through terminal block, with screwless-type terminals, 2-poles	2005-7642,-7649
two conductor through terminal block, with earth terminal connection, with screwless type terminals,3-poles 2-poles	2005-7645-7646
X-COMS System connectors and terminal blocks Series 2022	
rail mounted terminal blocks	
two-conductor and one-pin through terminal block, 1-pole	2022-1301,-1304
two-conductor and two-pin through terminal block, 1-pole	2022-1401,-1404
double deck rail mounted through terminal blocks	
one-conductor and one-pin per pole terminal block,2-poles	2022-2231,-2232,-2233,-2201,-2202,-2203,-2234,-2204
one-conductor and one-pin per pole terminal block,2-poles, upper level a through terminal block, lower level a protective conductor terminal block	2022-2247,-2257,-2217,-2227
double deck rail mounted through terminal blocks internal bridged	

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one-conductor and one-pin per pole through terminal block, 2-poles, the poles are connected together by a bridge	2022-2238,-2208,-2239,-2209
protective conductor terminal block	
two-conductor and one-pin, protective conductor terminal block, 1-pole	2022-1307
two-conductor and two-pin, protective conductor terminal block, 1-pole	2022-1407
double deck protective conductor terminal block	
one-conductor and one-pin per pole protective conductor terminal block, 2-poles, the poles are connected together by a bridge	2022-2237,-2207
one-conductor, two last number denotes number of number of poles	2022-101 up to and including-115,-161,-164,-171,-174,-181,-184
one-conductor connector, base module, centre module and end module	2022-161,-164,-171,-174
one protective conductor connector	2022-167,-177,-187
Terminal Blocks Series 2002	
Plug connector for series 2002	2002-511
four conductor double potential terminal .block, with screwless-type terminals, 1-pole	2002-1441
four conductor double deck terminal block, with screwless-type terminals, with or without marker carrier,2-poles	2002-2431,-2432,-2433,-2401,-2402,-2403,-2404,-2405,-2406,-2434,-2435,-2436
eight conductor double deck terminal block, with screwless-type terminals, upper and lower levels are connected to each other, with or without marker carrier 2-poles	2002-2438,-2408,-2409,-2439

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four conductor double deck terminal block, with screwless-type terminals, 2 levels, lower level connected to ground, 2-poles with or without marker carrier	2002-2447,-2457,-2417,-2427,-2448,-2418,-2428
eight conductor ground double deck terminal block, with screwless-type terminals, upper and lower levels are connected to each other.	2002-2437,-2407
two conductor disconnect terminal block, with screwless-type terminals, 1-poles	2002-1671,-1674,-1672,-1673,-1675,-1676,-
two conductor carrier through terminal block, with screwless type terminals,1-poles	2002-1661up to including,-1666
two conductor through terminal block, with screwless type terminals,1-poles	2002-1601,-1604,-1602
four conductor disconnect terminal block, with screwless-type terminals, 1-pole	2002-1871,-1872,-1873,-1874,-1875,-1876
four conductor through terminal block, with screwless type terminals,1-poles	2002-1861 up to and including ,-1866
four conductor through terminal block, with screwless type terminals,1-poles	2002-1801,-1802,-1804
four conductor double deck double disconnect terminal block, with screwless type terminals,2-poles	2002-2951,-2952,-2953,-2954,-2956
four conductor double deck double disconnect terminal block, upper and lower pole connected to each other on right side, with screwless type terminals, 1-poles	2002-2958,-2959
four conductor double deck disconnect terminal block,with disconnection on upper deck only, with screwless type terminals,2-poles	2002-2971,-2972,-2973,-2974,-2976,-2671,-2667,-2662,-2671,-2672,-2677
four conductor fuse terminal block, with screwless-type terminals, 1-pole, exclusive short circuit protection: separate arrangement: PVK with automotive fuse 10A loaded with 80% of In compound arrangement: PVK with automotive fuse 5A loaded with 80% of In	2002-1681,-1682,-1684

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four conductor fuse terminal block, with screwless-type terminals, 1-pole, exclusive short circuit protection: separate arrangement: PVK with automotive fuse 10A loaded with 80% of In compound arrangement: PVK with automotive fuse 5A loaded with 80% of In	2002-1881,-1882,-1884
two conductor through terminal block, with screwless-type terminals, 2-poles	2002-2601,-2602,-2603,-2604
two conductor through terminal block, 2-poles upper and lower pole connected to each other	2002-2608,-2609
two conductor earth terminal block, with screwless-type terminals, 2-poles upper and lower pole connected to each other	2002-2607
two conductor through terminal block with earth connection, and screwless-type terminals,, 2-poles	2002-2647,-2648,-2657,-2658
One conductor N-disconnect terminal block, with screwless type terminals and 1 connection for busbar (10 x 3), 1pole	2002-7114
One conductor Power distribution disconnect terminal block, with screwless type terminals and 1 connection for busbar (10 x 3), 1pole	2002-7111
Fuse and LED Terminal Blocks Serie 2002	
Two conductor fuse terminal block with end plate, without blown fuse indication, with screwless type terminal, 1 pole	2002-1611,-1612,-1614
Two conductor fuse terminal blocks with end plate, with blown fuse indication by LED with screwless type terminals, 1 pole with suffixes -541 provided with LED 12-30V -542 provided with LED 30-65 V -836 provided with LED 110-250V	2002-1611/1000-…
Four conductor fuse terminal blocks with end plate, without blown fuse indication by LED with screwless type terminals, 1 pole	2002-1811

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Four conductor fuse terminal blocks, with blown fuse indication by LED with screwless type terminals, 1 pole with suffixes -541 provided with LED 12-30V -542 provided with LED 30-65 V -836 provided with LED 110-250V	2002-1811/1000-…
Fuse plug for miniature metric fuses, for connection on terminal block 2002-1661 and 2002-1861	2004-0911,-0912,-0914
Fuse plug for miniature metric fuses with blown fuse indication on terminal block, for connection on terminal block 2002-1661 and 2002-1861 -541 provided with LED 12-30V -542 provided with LED 30-65 V -836 provided with LED 110-250V	2004-0911/1000-…
Two conductor fuse terminal block with end plate, with screwless type terminals with fuse-holder on upper deck only, 2-poles, with blown fuse indicator by LED with suffixes 2611/1000-541 provided with LED 12-30 V 2611/1000-542 provided with LED 30-65 V 2611/1000-836 provided with LED 110-250V	2002-2611,-2612,-2617
Quadruple deck rail mounted terminal block, with screwless-type terminals, 4-poles (lower pole PE connection)	2002-4127,-4157
Quadruple deck rail mounted terminal block, with screwless-type terminals, 2-poles	2002-4111,-4141
Quadruple deck rail mounted terminal block, with screwless-type terminals, 3-poles	2002-4101,-4131
Series 2006	
Terminal Blocks Serie 2006	
One-conductor N-disconnect terminal block, with screwless terminals and 1 connection for busbar(10x3mm), 1 pole	2006-7114

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One-conductor power distribution disconnect terminal ,with screwless terminals and 1 connection for busbar (10x3mm), 1 pole	2006-7111
Two conductor through terminal block (permanently closed disconnect part), with screwless type terminal, 1-pole	2006-1601,-1602,-1603,-1604
Two conductor disconnect terminal block , with screwless type terminal, 1-pole	2006-1671,-1672,-1673,-1674
Optional suffixes for disconnect terminal blocks Disconnect knife rotated by 180 °	.../400-0000
With mechanical locking element	.../401-0000
Ground conductor disconnect terminal block, with screwless type terminals, 2-poles	2006-1671/with suffixes
Provided with LED (24V)	/000-848
Provided with LED(48V)	/0000-849
Provided with neon light (120 V LED 24V)	/0000-850
Provided with neon light (230 V LED 24V)	/0000-851
Wo conductor fuse terminal block for mini-automotive blade style fuses, with screwless type terminals, 1-pole	2006-1681,-1682,-1683,-1684
	2006-1681 /with suffixes
With blown fuse indication 12 V, anode of LED on the right side	/1000-429
With blown fuse indication 12 V, anode of LED on the left side	/1000-449
With blown fuse indication 24 V, anode of LED on the right side	/1000-413
With blown fuse indication 24 V, anode of LED on the left side	/1000-434
With blown fuse indication 48 V, anode of LED on the right side	/1000-414
With blown fuse indication 48 V, anode of LED on the left side	/1000-435

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Two conductor fuse disconnect terminal block with pivating fuseholder, with screwless type terminals, fuse size 5x20 mm, 1-pole Exclusive short circuit protection: Separate arrangement: PvK 2,5W Compound arrangement: PvK 2,5W	2006-1611,-1612,-1613,-1614
Overload and short circuit protection: Separate arrangement: Pv 2,5W Compound arrangement: Pv 1,6W	
Two conductor fuse disconnect terminal block with pivating fuseholder, with screwless type terminals, fuse size 5x30 mm, 1-pole Exclusive short circuit protection: Separate arrangement: PvK 2,5W Compound arrangement: PvK 2,5W	2006-1621,-1622,-1623,-1624
Overload and short circuit protection: Separate arrangement: Pv 2,5W Compound arrangement: Pv 1,6W	
Fuse plug with pull tab suffixes provided with indicator light	2006-911 with suffixes
(12V – 30 V)	/1000-541
(30V – 65 V)	/1000-542
(120V)	/1000-867
(230V)	/1000-836
(380V -500V)	/1000-859
Terminal Blocks Series 2004	
Four -conductor through terminal block, with screwless terminals 1 pole	2004-1401,-1402,-1403,-1404,-1405,-1406,-1408,-1409
Four -conductor earth terminal block, with screwless terminals 1 pole	2004-1407

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Part 2
Terminals / Insulators

Producer/ Licence No.	Type	Standard	Rating				Category/ Additional Tests	Remarks	Cert. No.
			Voltage	Continuous Current Amperes	Maximum Conductor Size				
					mm^2	AWG			
WAGO Kontakttechnik GmbH & Co. KG **Hansastrasse 27** **32423 Minden** **Germany**	Rail mounted terminal blocks with cage clamp spring	EN 60947-7-1:2009 EN 60947-7-2:2009 EN 60947-7-3:2009					ENV1, ENV2, ENV3, ENV4 (2002)	Expires: 04 March 2021 For specific types covered see Type Approval certifcate	91/20112 (E10)
	279 series		800V	18	1.5	-			
	280 series		800V	24	2.5	-			
	281 series		800V	32	4.0	-			
	282 series		800V	41	6.0	-			
	283 series		800V	76	16.0	-			
	284 series		800V	57	10.0	-			
	285 series		1000V	125/232	35/95	-			
	290 series		500V	24	2.5	-			
	727 series		250V	10	1.5	-			
	769 series		250/500V	16	2.5/4	-			
	775 series		250/400/ 500V	20	2.5	-			
	776 series		400V	26/32	4.0	-			
	777 series		400V	32	4.0	-			
	780 series		1000V	24	2.5	-			
	781 series		1000V	32	4.0	-			
	782 series		1000V	41	6.0	-			
	783 series		1000V	76	16.0	-			
	784 series		1000V	57	10.0	-			
	862 series		500V	32	4.0	-			
	870 series		500V	24	2.5	-			
	880 series		500V	25	4.0	-			
	TOBJOB Series 2000		800 V	13.5	1	24-16			
	2001 series		800V	18	1.5	-			
	2002 series		800V	20	4	-			
	2003 series		250/400V	32	4	-			
	2004 series		800V	32	4.0	-			
	2005 series		250/400V	36	4(6)	-			
	2006 series		800V	50	6.0	-			
	2010 series		800V	57	10.0	-			
	2016 series		800V	85	16.0	-			
	2022 series		690V	28/32	4	-			
	Plug connector 2002-501 Seal plate 2002-541, 2002-549	EN 61984:2009							

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Design Appraisal Document

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Date
01 July 2016

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THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, PROCEDURE TA14 (JUNE 2015)
ISSUED TO: WAGO KONTAKTTECHNIK GMBH & CO. KG
FOR: RAIL MOUNTED TERMINAL BLOCKS WITH CAGE CLAMP SPRING
TYPE APPROVAL CERTIFICATE EXTENSION NO. 91/20112 (E10)

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System, Procedure TA14 (June 2015) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

2502TA	Application Checklist	undated
HPC1562075	Production Quality Assessment Form Minden	19.08.2015
HPC1562075	Production Quality Assessment Form Sonderhausen	08.09.2015
Unnumbered	Production Quality Assessment Form Switzerland	09.06.2016
NTR NL-7193	Notification of Test Results, Dekra	06.02.2013
NTR NL NL-6745	Notification of Test Results, KEMA Quality	06.05.2010
51110673/1	ISO 9001/ ISO 14001 Certificate Dekra	19.11.2014
Unnumbered	Conformity of our series for new products	20.06.2016
Unnumbered	Conformity of our series for standards	20.06.2016
Unnumbered	Additional Item nos. of Series 2002, 2004, 2006	Undated
HDS/ETS 27755-13	Marine Design Appraisal Document for TA Certificate No.91/20112(E9)	11.02.2013

TEST REPORTS

21782	Test Report, WAGO	20.05.2011
21783	Test Report, WAGO	20.05.2011

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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Date
01 July 2016

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HPC1562188/33854-16/JK/ND/FS

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.

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APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in LR Type Approval System, Test Specification Number 1 – 2002.
SPECIFIED STANDARDS	EN 60947-7-1: 2009 EN 60947-7-2: 2009 EN 60947-7-3: 2009 EN 61984: 2009
PLACES OF PRODUCTION	Hansastrasse 27 32423 Minden Germany Waldstraße 1 99702 Sondershausen Germany Zone Industrielle C Case Postale 168 1564 Domdidier Switzerland

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 33854-16 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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