



EUR Reverse Bonus Certificates on Indices

- NON-US INVESTORS ONLY - NON-PRINCIPAL PROTECTED -

Final Terms and Conditions as of November 04, 2019 (Version 2.00)

All material herein is for discussion purposes only and is only a summary. Reference should be made to the Prospectus, which contains the only legally binding terms of the Certificates and other information related to the Issue. The Prospectus is obtainable free of charge from the Issuer/Lead Manager/Certificate Agent. Before investing in the Securities you should read the risk factors described under Risk Information below and in the Prospectus. The Final Terms may describe additional risk factors relating to the Securities.

PRODUCTS

ISIN	WKN	Underlying	Ratio	Barrier Level	Bonus	Reverse Level	Issue Price	Maturity Date	Issue Size (Certificates)
DE000GB53AS1	GB53AS	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 11,600	EUR 20,800	EUR 89.72	February 21, 2020	500,000
DE000GB53B14	GB53B1	DAX [®] (Performance Index)	0.01	EUR 13,600	EUR 6,600	EUR 15,600	EUR 64.56	February 21, 2020	500,000
DE000GB53B22	GB53B2	DAX [®] (Performance Index)	0.01	EUR 13,600	EUR 9,800	EUR 15,600	EUR 43.14	February 21, 2020	500,000
DE000GB53B30	GB53B3	DAX [®] (Performance Index)	0.01	EUR 13,600	EUR 9,800	EUR 20,800	EUR 95.35	February 21, 2020	500,000
DE000GB53B48	GB53B4	DAX [®] (Performance Index)	0.01	EUR 13,800	EUR 9,800	EUR 15,600	EUR 48.54	February 21, 2020	500,000
DE000GB53B63	GB53B6	DAX [®] (Performance Index)	0.01	EUR 13,800	EUR 9,800	EUR 20,800	EUR 100.75	February 21, 2020	500,000
DE000GB53B97	GB53B9	DAX [®] (Performance Index)	0.01	EUR 13,400	EUR 9,800	EUR 15,600	EUR 37.29	February 21, 2020	500,000
DE000GB53BB5	GB53BB	DAX [®] (Performance Index)	0.01	EUR 13,400	EUR 9,800	EUR 20,800	EUR 89.5	February 21, 2020	500,000
DE000GB53BF6	GB53BF	DAX [®] (Performance Index)	0.01	EUR 13,300	EUR 9,800	EUR 15,600	EUR 34.57	February 21, 2020	500,000
DE000GB53BK6	GB53BK	DAX [®] (Performance Index)	0.01	EUR 13,300	EUR 9,800	EUR 20,800	EUR 86.78	February 21, 2020	500,000
DE000GB53BQ3	GB53BQ	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 7,200	EUR 20,800	EUR 134.44	February 21, 2020	500,000
DE000GB53BS9	GB53BS	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 11,900	EUR 20,800	EUR 87.45	February 21, 2020	500,000
DE000GB53BY7	GB53BY	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 9,000	EUR 15,600	EUR 59.79	February 21, 2020	500,000
DE000GB53C05	GB53C0	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 6,600	EUR 20,800	EUR 133.59	February 21, 2020	500,000
DE000GB53C13	GB53C1	DAX [®] (Performance Index)	0.01	EUR 13,800	EUR 11,700	EUR 20,800	EUR 86.77	February 21, 2020	500,000
DE000GB53C39	GB53C3	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 11,900	EUR 15,600	EUR 35.24	February 21, 2020	500,000

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SECURITIES DIVISION

ISIN	WKN	Underlying	Ratio	Barrier Level	Bonus	Reverse Level	Issue Price	Maturity Date	Issue Size (Certificates)
DE000GB53C47	GB53C4	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 7,200	EUR 15,600	EUR 82.23	February 21, 2020	500,000
DE000GB53C70	GB53C7	DAX [®] (Performance Index)	0.01	EUR 13,600	EUR 6,600	EUR 20,800	EUR 116.77	February 21, 2020	500,000
DE000GB53CD9	GB53CD	DAX [®] (Performance Index)	0.01	EUR 13,800	EUR 11,700	EUR 15,600	EUR 34.56	February 21, 2020	500,000
DE000GB53CH0	GB53CH	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 11,600	EUR 15,600	EUR 37.51	February 21, 2020	500,000
DE000GB53CK4	GB53CK	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 3,600	EUR 15,600	EUR 117.34	February 21, 2020	500,000
DE000GB53CL2	GB53CL	DAX [®] (Performance Index)	0.01	EUR 13,700	EUR 11,600	EUR 20,800	EUR 86.1	February 21, 2020	500,000
DE000GB53CN8	GB53CN	DAX [®] (Performance Index)	0.01	EUR 13,500	EUR 11,400	EUR 20,800	EUR 84.25	February 21, 2020	500,000
DE000GB53CP3	GB53CP	DAX [®] (Performance Index)	0.01	EUR 13,600	EUR 3,600	EUR 20,800	EUR 136.08	February 21, 2020	500,000
DE000GB53CQ1	GB53CQ	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 3,600	EUR 15,600	EUR 107.94	February 21, 2020	500,000
DE000GB53CR9	GB53CR	DAX [®] (Performance Index)	0.01	EUR 13,700	EUR 11,600	EUR 15,600	EUR 33.89	February 21, 2020	500,000
DE000GB53CS7	GB53CS	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 3,600	EUR 20,800	EUR 160.15	February 21, 2020	500,000
DE000GB53CZ2	GB53CZ	DAX [®] (Performance Index)	0.01	EUR 13,500	EUR 11,400	EUR 15,600	EUR 32.04	February 21, 2020	500,000
DE000GB53D04	GB53D0	DAX [®] (Performance Index)	0.01	EUR 13,600	EUR 3,600	EUR 15,600	EUR 83.87	February 21, 2020	500,000
DE000GB53D12	GB53D1	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 10,800	EUR 15,600	EUR 47.33	February 21, 2020	500,000
DE000GB53D20	GB53D2	DAX [®] (Performance Index)	0.01	EUR 13,300	EUR 11,100	EUR 15,600	EUR 30.24	February 21, 2020	500,000
DE000GB53D38	GB53D3	DAX [®] (Performance Index)	0.01	EUR 13,300	EUR 11,100	EUR 20,800	EUR 82.45	February 21, 2020	500,000
DE000GB53D46	GB53D4	DAX [®] (Performance Index)	0.01	EUR 13,400	EUR 11,100	EUR 15,600	EUR 31.75	February 21, 2020	500,000
DE000GB53D61	GB53D6	DAX [®] (Performance Index)	0.01	EUR 13,400	EUR 11,100	EUR 20,800	EUR 83.95	February 21, 2020	500,000
DE000GB53D87	GB53D8	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 10,800	EUR 20,800	EUR 96.23	February 21, 2020	500,000
DE000GB53DC9	GB53DC	DAX [®] (Performance Index)	0.01	EUR 14,000	EUR 10,800	EUR 15,600	EUR 44.02	February 21, 2020	500,000
DE000GB53DG0	GB53DG	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 3,600	EUR 20,800	EUR 169.55	February 21, 2020	500,000

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ISIN	WKN	Underlying	Ratio	Barrier Level	Bonus	Reverse Level	Issue Price	Maturity Date	Issue Size (Certificates)
DE000GB53BU5	GB53BU	DAX [®] (Performance Index)	0.01	EUR 13,800	EUR 11,700	EUR 15,600	EUR 32.78	March 20, 2020	500,000
DE000GB53BX9	GB53BX	DAX [®] (Performance Index)	0.01	EUR 13,800	EUR 11,700	EUR 20,800	EUR 85.04	March 20, 2020	500,000
DE000GB53BZ4	GB53BZ	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 11,200	EUR 20,800	EUR 94.79	March 20, 2020	500,000
DE000GB53CB3	GB53CB	DAX [®] (Performance Index)	0.01	EUR 13,400	EUR 11,100	EUR 20,800	EUR 82.57	March 20, 2020	500,000
DE000GB53CC1	GB53CC	DAX [®] (Performance Index)	0.01	EUR 13,500	EUR 11,400	EUR 20,800	EUR 82.79	March 20, 2020	500,000
DE000GB53CU3	GB53CU	DAX [®] (Performance Index)	0.01	EUR 13,800	EUR 11,700	EUR 15,600	EUR 29.65	June 19, 2020	500,000
DE000GB53CW9	GB53CW	DAX [®] (Performance Index)	0.01	EUR 13,800	EUR 11,700	EUR 20,800	EUR 81.99	June 19, 2020	500,000
DE000GB53AR3	GB53AR	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 7,200	EUR 20,800	EUR 111.69	September 18, 2020	500,000
DE000GB53AT9	GB53AT	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 7,200	EUR 15,600	EUR 80.2	September 18, 2020	500,000
DE000GB53AV5	GB53AV	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 7,200	EUR 20,800	EUR 132.52	September 18, 2020	500,000
DE000GB53AX1	GB53AX	DAX [®] (Performance Index)	0.01	EUR 13,900	EUR 9,800	EUR 20,800	EUR 87.38	September 18, 2020	500,000
DE000GB53BE9	GB53BE	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 12,000	EUR 15,600	EUR 31.39	September 18, 2020	500,000
DE000GB53BG4	GB53BG	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 12,000	EUR 20,800	EUR 83.71	September 18, 2020	500,000
DE000GB53BP5	GB53BP	DAX [®] (Performance Index)	0.01	EUR 14,600	EUR 12,400	EUR 15,600	EUR 31.02	September 18, 2020	500,000
DE000GB53BV3	GB53BV	DAX [®] (Performance Index)	0.01	EUR 13,900	EUR 11,700	EUR 15,600	EUR 29.24	September 18, 2020	500,000
DE000GB53BW1	GB53BW	DAX [®] (Performance Index)	0.01	EUR 13,900	EUR 11,700	EUR 20,800	EUR 81.56	September 18, 2020	500,000
DE000GB53C21	GB53C2	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,200	EUR 15,600	EUR 40.62	September 18, 2020	500,000
DE000GB53C54	GB53C5	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,200	EUR 20,800	EUR 92.93	September 18, 2020	500,000
DE000GB53C88	GB53C8	DAX [®] (Performance Index)	0.01	EUR 15,200	EUR 10,800	EUR 15,600	EUR 45.17	September 18, 2020	500,000
DE000GB53C96	GB53C9	DAX [®] (Performance Index)	0.01	EUR 15,200	EUR 10,800	EUR 20,800	EUR 97.49	September 18, 2020	500,000
DE000GB53CF4	GB53CF	DAX [®] (Performance Index)	0.01	EUR 15,200	EUR 3,600	EUR 20,800	EUR 159.84	September 18, 2020	500,000

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DE000GB53CJ6	GB53CJ	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 3,600	EUR 15,600	EUR 114.29	September 18, 2020	500,000
DE000GB53AY9	GB53AY	DAX [®] (Performance Index)	0.01	EUR 14,600	EUR 12,400	EUR 15,600	EUR 30.25	December 18, 2020	500,000
DE000GB53B06	GB53B0	DAX [®] (Performance Index)	0.01	EUR 14,600	EUR 12,400	EUR 20,800	EUR 82.37	December 18, 2020	500,000
DE000GB53B55	GB53B5	DAX [®] (Performance Index)	0.01	EUR 15,200	EUR 3,600	EUR 20,800	EUR 149.91	December 18, 2020	500,000
DE000GB53CG2	GB53CG	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,800	EUR 15,600	EUR 34.95	December 18, 2020	500,000
DE000GB53CM0	GB53CM	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 12,000	EUR 20,800	EUR 82.55	December 18, 2020	500,000
DE000GB53CT5	GB53CT	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 12,000	EUR 15,600	EUR 30.43	December 18, 2020	500,000
DE000GB53CX7	GB53CX	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,600	EUR 20,800	EUR 88.08	December 18, 2020	500,000
DE000GB53D53	GB53D5	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,600	EUR 15,600	EUR 35.97	December 18, 2020	500,000
DE000GB53D95	GB53D9	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 10,000	EUR 15,600	EUR 51.82	December 18, 2020	500,000
DE000GB53DA3	GB53DA	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 10,000	EUR 20,800	EUR 103.94	December 18, 2020	500,000
DE000GB53DB1	GB53DB	DAX [®] (Performance Index)	0.01	EUR 16,000	EUR 3,600	EUR 20,800	EUR 165.43	December 18, 2020	500,000
DE000GB53DD7	GB53DD	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 7,200	EUR 20,800	EUR 104.41	December 18, 2020	500,000
DE000GB53DH8	GB53DH	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,800	EUR 20,800	EUR 87.07	December 18, 2020	500,000
DE000GB53B71	GB53B7	DAX [®] (Performance Index)	0.01	EUR 14,400	EUR 11,800	EUR 20,800	EUR 82.4	March 19, 2021	500,000
DE000GB53BA7	GB53BA	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,400	EUR 20,800	EUR 87.35	March 19, 2021	500,000
DE000GB53BC3	GB53BC	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 11,200	EUR 15,600	EUR 41.08	March 19, 2021	500,000
DE000GB53BD1	GB53BD	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 11,200	EUR 20,800	EUR 92.89	March 19, 2021	500,000
DE000GB53BH2	GB53BH	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 10,000	EUR 15,600	EUR 49.09	March 19, 2021	500,000
DE000GB53BJ8	GB53BJ	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 10,000	EUR 20,800	EUR 100.89	March 19, 2021	500,000
DE000GB53BM2	GB53BM	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,600	EUR 15,600	EUR 34.67	March 19, 2021	500,000

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DE000GB53CV1	GB53CV	DAX [®] (Performance Index)	0.01	EUR 14,600	EUR 12,400	EUR 15,600	EUR 30.03	March 19, 2021	500,000
DE000GB53CY5	GB53CY	DAX [®] (Performance Index)	0.01	EUR 14,600	EUR 12,400	EUR 20,800	EUR 81.84	March 19, 2021	500,000
DE000GB53D79	GB53D7	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,800	EUR 20,800	EUR 85.64	March 19, 2021	500,000
DE000GB53DE5	GB53DE	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,800	EUR 15,600	EUR 33.84	March 19, 2021	500,000
DE000GB53AU7	GB53AU	DAX [®] (Performance Index)	0.01	EUR 14,800	EUR 9,600	EUR 20,800	EUR 91.77	June 18, 2021	500,000
DE000GB53AW3	GB53AW	DAX [®] (Performance Index)	0.01	EUR 16,800	EUR 7,200	EUR 20,800	EUR 131.28	June 18, 2021	500,000
DE000GB53AZ6	GB53AZ	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 10,000	EUR 15,600	EUR 46.71	June 18, 2021	500,000
DE000GB53B89	GB53B8	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 12,400	EUR 15,600	EUR 31.2	June 18, 2021	500,000
DE000GB53BL4	GB53BL	DAX [®] (Performance Index)	0.01	EUR 14,600	EUR 12,400	EUR 15,600	EUR 29.86	June 18, 2021	500,000
DE000GB53BN0	GB53BN	DAX [®] (Performance Index)	0.01	EUR 14,600	EUR 12,400	EUR 20,800	EUR 81.2	June 18, 2021	500,000
DE000GB53BR1	GB53BR	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 12,000	EUR 15,600	EUR 32.37	June 18, 2021	500,000
DE000GB53BT7	GB53BT	DAX [®] (Performance Index)	0.01	EUR 15,000	EUR 11,800	EUR 20,800	EUR 84.37	June 18, 2021	500,000
DE000GB53C62	GB53C6	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 11,200	EUR 15,600	EUR 39.56	June 18, 2021	500,000
DE000GB53CA5	GB53CA	DAX [®] (Performance Index)	0.01	EUR 15,600	EUR 11,200	EUR 20,800	EUR 90.91	June 18, 2021	500,000
DE000GB53CE7	GB53CE	DAX [®] (Performance Index)	0.01	EUR 15,200	EUR 3,600	EUR 20,800	EUR 134.75	June 18, 2021	500,000
DE000GB53DF2	GB53DF	DAX [®] (Performance Index)	0.01	EUR 16,000	EUR 3,600	EUR 20,800	EUR 152.97	June 18, 2021	500,000
DE000GB53DK2	GB53DK	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,850	EUR 3,000	EUR 4,750	EUR 15.76	February 21, 2020	500,000
DE000GB53DL0	GB53DL	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,900	EUR 2,000	EUR 4,750	EUR 25.47	February 21, 2020	500,000
DE000GB53DM8	GB53DM	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,900	EUR 2,000	EUR 5,800	EUR 36	February 21, 2020	500,000
DE000GB53DN6	GB53DN	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 2,000	EUR 4,750	EUR 26.9	February 21, 2020	500,000
DE000GB53DP1	GB53DP	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 2,000	EUR 5,800	EUR 37.42	February 21, 2020	500,000

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DE000GB53DU1	GB53DU	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,750	EUR 2,800	EUR 4,750	EUR 14.68	February 21, 2020	500,000
DE000GB53DV9	GB53DV	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 960	EUR 4,750	EUR 36.98	February 21, 2020	500,000
DE000GB53DW7	GB53DW	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 960	EUR 5,800	EUR 47.5	February 21, 2020	500,000
DE000GB53DZ0	GB53DZ	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,800	EUR 2,000	EUR 4,750	EUR 21.87	February 21, 2020	500,000
DE000GB53E11	GB53E1	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,800	EUR 2,000	EUR 5,800	EUR 32.4	February 21, 2020	500,000
DE000GB53E37	GB53E3	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,900	EUR 960	EUR 4,750	EUR 34.77	February 21, 2020	500,000
DE000GB53E52	GB53E5	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,900	EUR 960	EUR 5,800	EUR 45.3	February 21, 2020	500,000
DE000GB53E94	GB53E9	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,800	EUR 960	EUR 4,750	EUR 29.08	February 21, 2020	500,000
DE000GB53EB9	GB53EB	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,800	EUR 960	EUR 5,800	EUR 39.61	February 21, 2020	500,000
DE000GB53EC7	GB53EC	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,850	EUR 3,200	EUR 4,750	EUR 14.26	February 21, 2020	500,000
DE000GB53ED5	GB53ED	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,850	EUR 3,200	EUR 5,800	EUR 24.79	February 21, 2020	500,000
DE000GB53EJ2	GB53EJ	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,900	EUR 3,300	EUR 4,750	EUR 14.04	February 21, 2020	500,000
DE000GB53EK0	GB53EK	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,900	EUR 3,300	EUR 5,800	EUR 24.56	February 21, 2020	500,000
DE000GB53EL8	GB53EL	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,850	EUR 3,000	EUR 5,800	EUR 26.29	February 21, 2020	500,000
DE000GB53EM6	GB53EM	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 2,800	EUR 4,750	EUR 19.14	February 21, 2020	500,000
DE000GB53EN4	GB53EN	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 2,800	EUR 5,800	EUR 29.67	February 21, 2020	500,000
DE000GB53ER5	GB53ER	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,750	EUR 3,100	EUR 4,750	EUR 13.22	February 21, 2020	500,000
DE000GB53ET1	GB53ET	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,750	EUR 3,100	EUR 5,800	EUR 23.75	February 21, 2020	500,000
DE000GB53EV7	GB53EV	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,750	EUR 2,800	EUR 5,800	EUR 25.21	February 21, 2020	500,000
DE000GB53DY3	GB53DY	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 3,100	EUR 5,800	EUR 26.58	March 20, 2020	500,000
DE000GB53E78	GB53E7	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,900	EUR 960	EUR 5,800	EUR 43.07	March 20, 2020	500,000

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ISIN	WKN	Underlying	Ratio	Barrier Level	Bonus	Reverse Level	Issue Price	Maturity Date	Issue Size (Certificates)
DE000GB53E86	GB53E8	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 3,900	EUR 2,000	EUR 5,800	EUR 34.55	March 20, 2020	500,000
DE000GB53DS5	GB53DS	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 3,000	EUR 5,800	EUR 26.19	September 18, 2020	500,000
DE000GB53DT3	GB53DT	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 2,800	EUR 4,750	EUR 18.88	September 18, 2020	500,000
DE000GB53DX5	GB53DX	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 2,000	EUR 4,750	EUR 26.01	September 18, 2020	500,000
DE000GB53E03	GB53E0	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 2,000	EUR 5,800	EUR 36.57	September 18, 2020	500,000
DE000GB53EE3	GB53EE	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 3,300	EUR 4,750	EUR 14	September 18, 2020	500,000
DE000GB53DR7	GB53DR	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 3,300	EUR 5,800	EUR 24.33	December 18, 2020	500,000
DE000GB53E29	GB53E2	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 2,800	EUR 4,750	EUR 18.21	December 18, 2020	500,000
DE000GB53E45	GB53E4	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 2,800	EUR 5,800	EUR 28.77	December 18, 2020	500,000
DE000GB53E60	GB53E6	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,400	EUR 2,000	EUR 4,750	EUR 26.56	December 18, 2020	500,000
DE000GB53EA1	GB53EA	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 3,300	EUR 5,800	EUR 24.2	March 19, 2021	500,000
DE000GB53EF0	GB53EF	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,000	EUR 3,000	EUR 5,800	EUR 25.25	March 19, 2021	500,000
DE000GB53EG8	GB53EG	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 3,000	EUR 4,750	EUR 16.25	March 19, 2021	500,000
DE000GB53EH6	GB53EH	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 2,800	EUR 5,800	EUR 28.08	March 19, 2021	500,000
DE000GB53EQ7	GB53EQ	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,400	EUR 2,600	EUR 4,750	EUR 20.53	March 19, 2021	500,000
DE000GB53ES3	GB53ES	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,400	EUR 2,000	EUR 5,800	EUR 36.24	March 19, 2021	500,000
DE000GB53DJ4	GB53DJ	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 2,800	EUR 5,800	EUR 27.96	June 18, 2021	500,000
DE000GB53DQ9	GB53DQ	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,400	EUR 2,000	EUR 5,800	EUR 35.67	June 18, 2021	500,000
DE000GB53EP9	GB53EP	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 3,100	EUR 4,750	EUR 15.78	June 18, 2021	500,000
DE000GB53EU9	GB53EU	EURO STOXX 50 [®] Index (Price EUR)	0.01	EUR 4,200	EUR 2,800	EUR 4,750	EUR 17.42	June 18, 2021	500,000

UNDERLYING INFORMATION

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Underlying	Bloomberg	Reuters	Reference Currency	ISIN	Index Sponsor	Spot Reference
DAX® (Performance Index)*	DAX Index	.GDAXI	EUR	DE0008469008	Deutsche Börse AG	EUR 12961.05
EURO STOXX 50® Index (Price EUR)**	SX5E Index	.STOXX50E	EUR	EU0009658145	STOXX Limited	EUR 3623.74

GENERAL INFORMATION

DATES

Strike Date	November 1, 2019
Start of Public Offering (DE)	November 6, 2019
Start of Public Offering (AT)	November 6, 2019
Settlement Date	November 8, 2019
First Trading Date	November 6, 2019
Last Trading Date	The day immediately preceding the Maturity Date on which the exchange where the Certificates are listed is open for trading.

PRODUCT INFORMATION

	Each Certificate entitles the holder, in accordance with the respective Terms and Conditions of the Certificates, to receive 3 Business Days after the Valuation Date either :
Certificate Right	If during the Observation Period the Underlying Price was never equal to or above the Barrier Level: Ratio · (ReverseLevel – Min[Bonus; ReferencePrice(Final)])
	otherwise: Ratio · Max[0; (ReverseLevel – ReferencePrice(Final))]
Reference Price	The settlement price (official special quotation) of the option on

Reference Price (Final)	The Reference Price on the Valuation Date
Underlying Price	The official price of the Underlying at any time on any Index Calculation Day as calculated and published by the Index Sponsor.
Index Calculation Day	Such day on which the Underlying is usually calculated and published by the Index Sponsor
Valuation Date	Maturity Date. If such date is not an Index Calculation Day, the next following Index Calculation Day shall be the Valuation Date.
Observation Period	From the First Trading Date (including) to the Valuation Date (including)
Business Days	TARGET
Listing	Application will be made to include the Certificates in the Segment Börse Frankfurt Zertifikate Premium of the Frankfurt Stock Exchange and in the regulated unofficial market (Freiverkehr) of the Stuttgart Stock Exchange (EUWAX), in each case for continuous trading.
Secondary Trading	The Issuer intends to make a market in the securities on a regular basis under normal market conditions, but the Issuer does not commit and is under no obligation legal or otherwise to make any market in the securities.
Issue Size	The Issuer reserves the right to increase the Issue Size at any time.

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Trading Size 1 Certificate

Minimum Exercise 1 Certificate

Section 871(m) The Issuer has determined that, as of the Trade Date, the Certificates will not be subject to withholding under Section 871(m) of the U.S. Internal Revenue Code.

ISSUER

Issuer Goldman, Sachs & Co. Wertpapier GmbH, Frankfurt, Germany

Certificate Agent Goldman Sachs Bank Europe SE, Frankfurt, Germany

Lead Manager Goldman Sachs Bank Europe SE, Frankfurt, Germany

Calculation Agent Goldman Sachs International, London, GB

Guarantor The Goldman Sachs Group, Inc., Delaware, USA

Guarantor Rating A3 (Moody's)/ BBB+ (Standard & Poor's) / A (Fitch)

Depository Clearstream Banking AG, Frankfurt am Main

Fees payable by GS:

A selling commission may have been paid by Goldman Sachs International or any of its affiliates (collectively, "GS") in relation to this transaction. Please refer to the Final Terms for further details.

OFFERING INFORMATION

These Certificates have not been and will not be registered under the U.S. Securities Act of 1933. These Certificates may not be offered or sold within the United States or to, or for the benefit of, United States Persons (as defined in Regulation S under the Securities Act). This Document may not be distributed in the United States.

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of the public offering by being made available free of charge at Goldman Sachs Bank Europe SE, Marienturm, Taunusanlage 9-10, 60329 Frankfurt am Main. In addition, the base prospectus, any supplements thereto and the final terms will be available for investors from the first day of the public offering in electronic form on the issuer's, offeror's and paying agent's website www.gs.de. The public offering of the Certificates in Germany is expected to commence on the date stated above as the Start of Public Offering (DE).

Information for Austrian investors: This document (the "Document") serves marketing purposes and is indicative only. The Document is neither a sales prospectus in terms of the German Securities Sales Prospectus Act nor German civil law nor a prospectus in terms of the Austrian Capital Markets Act or Austrian civil law, and may not be interpreted as such. Reference should be made to the published base prospectus including any supplements thereto and the final terms relating to the Certificates (together referred to as the "Prospectus"), which contain the only legally binding terms of the Certificates which supersede or prevail over any prior communications or materials relating to the Certificates, including the Document. The final terms relating to the Certificates will be published on the website of the issuer. Paper copies are available free of charge at Goldman Sachs Bank Europe SE, Marienturm, Taunusanlage 9-10, 60329 Frankfurt am Main. In addition, the base prospectus will be available for investors from the business day preceding the first day of the public offering in electronic form on the website www.gs.de. The public offering of the Certificates in Austria is expected to commence on the Start of Public Offering (AT) as stated above. This Document is not intended for any retail client. The investor acknowledges that the Certificates are, before a public offer as stated above takes place, distributed in Austria only to qualified investors, as defined in § 1/1/5a of the Austrian Capital Markets Act. The investor acknowledges that it is his sole responsibility to review the Document and the Prospectus. Goldman Sachs will not assume any responsibility for the financial consequences of the purchaser acquiring and/or trading the Certificates described in the Document.

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You agree that: (i) you will not offer, sell or deliver any of the Securities described in this material in any jurisdiction, except in compliance with all applicable laws, and (ii) you will take, at your own expense, whatever action is required to permit your purchase and resale of the Securities.

Where you receive a selling commission from GS you confirm that such payment complies with all applicable law in the territory into which you distribute the product, including where applicable that; (i) you have disclosed the nature and amount of the payment to the extent you are required to do so; (ii) you have confirmed that the receipt of any payment by you from GS does not conflict with your duty to act in the best

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Credit risk: Investors in Securities will be exposed to the credit risk of Goldman Sachs. If the Issuer and/or Guarantor become insolvent or cannot make the payments on the Securities for any other reason, you will lose some or all of your investment. A decline in Goldman Sachs' credit quality is likely to reduce the market value of the Securities and therefore the price an investor may receive for the Securities if they were to sell them in the market.

Volatility: These Securities are volatile instruments. Volatility refers to the degree of unpredictable change over time of a certain variable in this case the price, performance or investment return of a financial asset. Volatility does not imply direction of the price or investment returns. An instrument that is volatile is likely to increase or decrease in

value more often and/or to a greater extent than one that is not volatile.

Leverage: These Securities are subject to leverage. Where an investment is subject to leverage, the effective exposure to the underlying asset or payment reference is increased. Leverage may expose investors to increased losses where the value of underlying asset falls. Leverage can be embedded in derivative components of complex financial instruments.

Combining investment types: These Securities may have some or all of the characteristics of debt and derivatives instruments. These elements could interact to produce both an enhanced possibility of loss of the initial investment or an enhanced return.

Investment return: The price of these Securities and the income generated, if any, may go down or up. You may realize losses on any investment made and you may get back nothing at all. You should read the base prospectus and the applicable final terms for the final terms and conditions and for a description of related risks. Risks include, but are not limited to, the following:

- The market price of the Securities may be influenced by many unpredictable factors, including economic conditions, the creditworthiness of GS, the value of any underlyers and certain actions taken by GS (see **Conflict of Interests** below). Accordingly, if you sell your Securities prior to maturity you may receive less than the issue price of the Securities.
- In the case of Securities referencing one or more indices or other underlying assets (collectively, the "Underlyings"), changes in the price of the Securities may not correlate to changes in the value of the Underlyings; any declines or gains in the value of one Underlying may be more than offset by movements in the value of other Underlyings.
- The price of these Securities may be adversely affected by trading and other transactions by GS relating to the Securities and/or any Underlyings
- The price of these Securities could be significantly impacted by determinations that GS may make in its sole discretion from time to time as calculation agent and/or index sponsor, as the case may be.

Relevant Information: GS may, by virtue of its status as an underwriter, advisor or otherwise, possess or have access to information relating to these Securities, and/or any Underlyings and any derivative instruments referencing them (together "Relevant Instruments"). GS will not be obliged to disclose any such Relevant Information to you.

No Exchange Guarantee nor Contract Ownership: These Securities are not

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guaranteed by an exchange nor does it result in the ownership of any futures contracts.

No Liquidity: There may be no market for these Securities. An investor must be prepared to hold them until the Maturity Date. GS may, but is not obliged to, make a market. If it does, it may cease at any time without notice.

Valuation: Assuming no change in market conditions or other factors, the value of these Securities on the Settlement Date may be significantly less than the execution price on the trade date. If you unwind your investment early, you may receive less than the stated redemption amount and/or settlement amount.

Price Discrepancy: Any price quoted for these Securities by GS may differ significantly from (i) the Securities' value determined by reference to GS pricing models and (ii) any price quoted by a third party.

Foreign Exchange: Foreign currency denominated Securities are subject to fluctuations in exchange rates that could have an adverse effect on the value or price of, or income derived from, the investment.

Secondary market risks: The Issuer or the Lead Manager, as applicable, intends, under normal market conditions, to provide bid and offer prices for these Securities on a regular basis. However, the Issuer or the Lead Manager, as applicable, makes no firm commitment to provide liquidity by means of bid and offer prices for these Securities, and assumes no legal obligation to quote any such prices or with respect to the level or determination of such prices. Potential Investors therefore should not rely on the ability to sell these Securities at a specific time or at a specific price. In special market situations, where the Issuer is completely unable to enter into hedging transactions, or where such transactions are very difficult to enter into, the spread between the bid and offer prices may be temporarily expanded, in order to limit the economic risks of the Issuer.

Taxation: Neither the Issuer nor the Guarantor shall be liable for or otherwise obliged to pay any present or future tax, duty, withholding or other similar payment which may arise as a result of the ownership, transfer or exercise of any Securities. Where such withholding or deduction is required by law, the appropriate withholding or deduction shall be made and neither the Issuer nor the Guarantor shall have any obligation to pay any additional amounts to compensate for such withholding or deduction.

Section 871(m) of the U.S. Internal Revenue Code: The U.S. Treasury Department has issued regulations under which amounts paid or deemed paid on certain financial instruments that are treated as attributable to U.S.-source dividends could be treated, in whole or in part depending on the circumstances, as a "dividend equivalent" payment that is subject to tax at a rate of 30 per cent. (or a lower rate under an applicable

treaty). We have determined that, as of the issue date of the Certificates, the Certificates will not be subject to withholding under these rules. In certain limited circumstances, however, it is possible for United States alien holders to be liable for tax under these rules with respect to a combination of transactions treated as having been entered into in connection with each other even when no withholding is required. United States alien holders should consult their tax advisor concerning these regulations, subsequent official guidance and regarding any other possible alternative characterisations of their Certificates for United States federal income tax purposes. See "United States Tax Considerations – Dividend Equivalent Payments" in the relevant prospectus for a more comprehensive discussion of the application of Section 871(m) to the Certificates.

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- to any legal entity which is a qualified investor as defined in the Prospectus Directive;
- to fewer than 150 natural or legal persons (other than qualified investors as defined in the Prospectus Directive);

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- in any other circumstances falling within Article 3(2) of the Prospectus Directive,

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