

Class of Instrument Equity (AA99)

Ticksize AB
Notification if <1 average trade No
per business day in the previous
year

Top five execution venues ranked in terms of trading volumes (descending order)		Proportion of orders executed as percentage of total in that class		Percentage of aggressive orders	Percentage of directed orders
Zürich	69,68%	69,55%	100,00%	0,00%	2,67%
New York-NYSE	15,56%	8,90%	100,00%	0,00%	18,90%
London-SWX Europe	4,62%	5,02%	100,00%	0,00%	0,00%
London	4,15%	4,68%	100,00%	0,00%	9,93%
Xetra	3,60%	6,22%	100,00%	0,00%	6,69%
Others Total	2,40% 100,00%	-,			



Class of Instrument Equity (AA99)

Ticksize CD
Notification if <1 average trade per business day in the previous year

Top five execution venues ranked in terms of trading volumes (descending order)		Proportion of orders executed as percentage of total in that class	Percentage of passive orders		Percentage of directed orders
Xetra	34,43%	34,52%	100,00%	0,00%	7,46%
New York-NYSE	32,33%	14,08%	100,00%	0,00%	19,64%
Paris	5,54%	6,70%	100,00%	0,00%	3,26%
New York-NASDAQ	4,17%	6,70%	100,00%	0,00%	51,63%
Toronto TSE	3,89%	2,37%	100,00%	0,00%	0,00%
Others	19,65%	35,63%			
Total	100,00%	100,00%			



Class of Instrument Equity (AA99)

Ticksize EF
Notification if <1 average trade per business day in the previous year

Top five execution venues ranked in terms of trading volumes (descending order)		Proportion of orders executed as percentage of total in that class	Percentage of passive orders	_	Percentage of directed orders
New York-NYSE	21,70%	26,80%	100,00%	0,00%	1,28%
Xetra	20,61%	19,40%	100,00%	0,00%	5,86%
New York-NASDAQ	18,72%	12,75%	100,00%	0,00%	4,15%
Paris	13,11%	13,41%	100,00%	0,00%	1,68%
Kopenhagen	6,08%	5,24%	100,00%	0,00%	0,55%
Others Total	19,79% 100,00%	22,40% 100,00%			



Class of Instrument Equity (AA99)
Ticksize -- Yes
Por business day in the previous
year

Top five execution venues ranked in terms of trading volumes (descending order)		•	Percentage of passive orders	· ·	Percentage of directed orders
Zürich	48,78%	34,59%	100,00%	0,00%	2,27%
Ausserbörslich	24,10%	0,39%	100,00%	0,00%	0,00%
New York-NASDAQ	19,17%	54,56%	100,00%	0,00%	5,19%
New York-NYSE	5,35%	8,81%	100,00%	0,00%	8,93%
Frankfurt	1,12%	0,08%	100,00%	0,00%	100,00%
Others	1,48%	1,57%			
Total	100,00%	100,00%			



Class of Instrument Equity certificates (AB99)

Ticksize AB
Notification if <1 average trade
per business day in the previous
year

Top five execution venues ranked in terms of trading volumes (descending order)		Proportion of orders executed as percentage of total in that class	J 1	Percentage of aggressive orders	Percentage of directed orders
New York-NYSE	94,30%	89,05%	100,00%	0,00%	6,37%
New York-NASDAQ	3,97%	10,38%	100,00%	0,00%	60,71%
London	0,63%	0,10%	100,00%	0,00%	25,00%
Frankfurt	0,44%	0,16%	100,00%	0,00%	100,00%
New York-OTC	0,27%	0,16%	100,00%	0,00%	83,33%
Others Total	0,38% 100,00%	-,			



Class of Instrument Equity certificates (AB99)

Ticksize CD
Notification if <1 average trade per business day in the previous year

Top five execution venues ranked in terms of trading volumes (descending order)		Proportion of orders executed as percentage of total in that class	Percentage of passive orders		Percentage of directed orders
Xetra	43,53%	81,22%	100,00%	0,00%	1,83%
New York-NYSE	31,46%	9,57%	100,00%	0,00%	35,56%
New York-NASDAQ	21,49%	8,58%	100,00%	0,00%	78,51%
Frankfurt	2,94%	0,28%	100,00%	0,00%	100,00%
Stuttgart	0,46%	0,28%	100,00%	0,00%	100,00%
Others Total	0,13% 100,00%	0,07% 100,00%			



Class of Instrument Equity certificates (AB99)
-Notification if <1 average trade
per business day in the previous
year

Top five execution venues ranked in terms of trading volumes (descending order)		Proportion of orders executed as percentage of total in that class	Percentage of passive orders		Percentage of directed orders
New York-NASDAQ	95,16%	99,24%	100,00%	0,00%	0,00%
New York-NYSE	4,84%	0,76%	100,00%	0,00%	0,00%
	0,00%	0,00%	0,00%	0,00%	0,00%
	0,00%	0,00%	0,00%	0,00%	0,00%
	0,00%	0,00%	0,00%	0,00%	0,00%
Others Total	0,00% 100,00%	0,00% 100,00%			



Class of Instrument Exchange Traded Funds (AC99)
-Notification if <1 average trade per business day in the previous year

Top five execution venues ranked in terms of trading volumes (descending order)		•	Percentage of passive orders	· ·	Percentage of directed orders
Bloomberg MTF	86,00%	66,09%	100,00%	0,00%	3,97%
Xetra	12,30%	32,25%	100,00%	0,00%	18,81%
London	1,42%	1,12%	100,00%	0,00%	9,39%
Dublin	0,09%	0,08%	100,00%	0,00%	0,00%
Zürich	0,06%	0,09%	100,00%	0,00%	9,76%
Others Total	0,13% 100,00%	0,38% 100,00%			



Class of Instrument
Ticksize
Notification if <1 average trade
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year

Certificates (AD99)
-No

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Zürich	99,20%	99,78%	100,00%	0,00%	1,77%
Frankfurt	0,43%	0,07%	100,00%	0,00%	0,00%
Stuttgart	0,37%	0,15%	100,00%	0,00%	0,00%

Andere 0,00% 0,00% Total 100,00% 100,00%



Class of Instrument other equity related instruments (AE99)
-Notification if <1 average trade per business day in the previous year

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Zürich	86,92%	35,06%	100,00%	0,00%	8,20%
Stuttgart	10,54%	3,45%	100,00%	0,00%	16,67%
Xetra	1,57%	30,46%	100,00%	0,00%	1,89%
Madrid-Merc.Cont.	0,90%	25,86%	100,00%	0,00%	2,22%
Hongkong	0,05%	1,72%	100,00%	0,00%	0,00%
Others	0,02%	3,45%			
Total	100,00%	100,00%			



Class of Instrument Government bonds (BA10)
-Notification if <1 average trade
per business day in the previous
year

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Bloomberg MTF	98,00%	85,89%	100,00%	0,00%	0,33%
Stuttgart	2,00%	14,11%	100,00%	0,00%	0,72%



Class of Instrument
Ticksize
Notification if <1 average trade
per business day in the previous
year
Other bonds (BA11)
-Yes

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Bloomberg MTF	98,84%	95,95%	100,00%	0,00%	0,17%
Stuttgart	1,16%	4,05%	100,00%	0,00%	0,00%



Class of Instrument

Ticksize

Notification if <1 average trade
per business day in the previous
year

Convertibles (BA12)
-Yes

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed	
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders	
volumes (descending order)		total in that class				
Bloomberg MTF	100,00%	100,00%	100,00%	0,00%	50,00%	



Class of Instrument
Ticksize

Notification if <1 average trade
per business day in the previous
year

Debentures (BA13)
-Yes

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Bloomberg MTF	94,08%	80,75%	100,00%	0,00%	0,13%
Stuttgart	5,92%	19,25%	100,00%	0,00%	1,09%



Class of Instrument

Ticksize

Notification if <1 average trade per business day in the previous year

Corporate Bonds (BA14)

-No

Top five execution venues ranked in terms of trading volumes (descending order)		· ·	Percentage of passive orders		Percentage of directed orders
Bloomberg MTF	77,43%	47,22%	100,00%	0,00%	2,05%
Stuttgart	21,91%	52,24%	100,00%	0,00%	3,64%
Frankfurt	0,45%	0,35%	100,00%	0,00%	10,53%
Kopenhagen	0,12%	0,02%	100,00%	0,00%	0,00%
New York-NYSE	0,06%	0,06%	100,00%	0,00%	0,00%
Others Total	0,03% 100,00%	0,11% 100,00%			



Class of Instrument
Ticksize
Notification if <1 average trade
per business day in the previous
year
Other Bonds (BA15)
-No

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Bloomberg MTF	88,28%	63,98%	100,00%	0,00%	0,56%
Stuttgart	10,89%	34,82%	100,00%	0,00%	0,35%
Hamburg	0,63%	1,08%	100,00%	0,00%	22,22%
Luxemburg	0,19%	0,12%	100,00%	0,00%	0,00%

Others	0,00%	0,00%
Total	100,00%	100,00%



Class of Instrument	Structured Products (BB99)
Ticksize	
Notification if <1 average trade	No
per business day in the previous	
year	

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed	
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders	
volumes (descending order)		total in that class				
Frankfurt	100,00%	100,00%	100,00%	0,00%	8,33%	



Class of Instrument
Ticksize

Notification if <1 average trade
per business day in the previous
year

Securitized equity derivatives (BE21)
-No

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Stuttgart	98,75%	99,40%	100,00%	0,00%	1,89%
Frankfurt	1,00%	0,39%	100,00%	0,00%	5,88%
Zürich	0,25%	0,18%	100,00%	0,00%	0,00%
New York-NYSE	0,00%	0,02%	100,00%	0,00%	100,00%

Others	0,00%	0,00%
Total	100,00%	100,00%



Class of Instrument

Ticksize

Notification if <1 average trade per business day in the previous year

Securitized commoditiy derivatives (BE22)

-Yes

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Bloomberg MTF	80,72%	29,33%	100,00%	0,00%	0,74%
Stuttgart	19,25%	70,51%	100,00%	0,00%	0,08%
London	0,03%	0,16%	100,00%	0,00%	0,00%



Class of Instrument
Ticksize

Notification if <1 average trade
per business day in the previous
year

Securitized derivativs (BE99)
-Yes

Top five execution venues ranked in terms of trading volumes (descending order)		•	Percentage of passive orders	· ·	Percentage of directed orders
Stuttgart	50,79%	41,67%	100,00%	0,00%	0,00%
Bloomberg MTF	22,46%	20,83%	100,00%	0,00%	6,67%
München	10,09%	1,39%	100,00%	0,00%	100,00%
Xetra	6,49%	23,61%	100,00%	0,00%	94,12%
Frankfurt	4,59%	1,39%	100,00%	0,00%	0,00%
Others Total	5,59% 100,00%	11,11% 100,00%			



Class of Instrument ETPs (BF99)
Ticksize -Notification if <1 average trade per business day in the previous year

Top five execution venues ranked in terms of trading volumes (descending order)		Proportion of orders executed as percentage of total in that class	Percentage of passive orders	_	Percentage of directed orders
Bloomberg MTF	89,75%	69,74%	100,00%	0,00%	4,60%
Xetra	9,13%	27,25%	100,00%	0,00%	11,40%
Stuttgart	0,67%	1,20%	100,00%	0,00%	33,33%
Paris	0,28%	0,60%	100,00%	0,00%	50,00%
London	0,17%	1,20%	100,00%	0,00%	0,00%
Others	0,00%	0,00%			
Total	100,00%	100,00%			



Class of Instrument ETNs (BG99)
Ticksize -Notification if <1 average trade per business day in the previous year

Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Bloomberg MTF	99,98%	96,50%	100,00%	0,00%	2,72%
Xetra	0,02%	3,50%	100,00%	0,00%	31,25%



Class of Instrument without further disclosure (C999)

Ticksize --Notification if <1 average trade per business day in the previous

year

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Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Hamburg	79,06%	47,83%	100,00%	0,00%	0,00%
Stuttgart	20,92%	43,48%	100,00%	0,00%	20,00%
Frankfurt	0,02%	4,35%	100,00%	0,00%	0,00%
Hongkong	0,00%	4,35%	100,00%	0,00%	0,00%



Class of Instrument ETD (BD)
Ticksize -Notification if <1 average trade per business day in the previous year

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Top five execution venues	Proportion of volume traded as a percentage of total in that class	Proportion of orders	Percentage of passive	Percentage of	Percentage of directed
ranked in terms of trading		executed as percentage of	orders	aggressive orders	orders
volumes (descending order)		total in that class			
Eurex	56,35%	23,58%	100,00%	0,00%	0,00%
Chicago Mercantile	40,18%	37,46%	100,00%	0,00%	0,00%
London	3,31%	0,00%	100,00%	0,00%	0,00%
Milan	0,17%	4,68%	100,00%	0,00%	0,00%

 Others
 0,00%
 34,29%

 Total
 100,00%
 100,00%