

| Class of Instrument   | Equities - Shares & Depositary Receipts (T12)                              |  |                               |                                  |                                |
|---|--|--|-------------------------------|----------------------------------|--------------------------------|
| Notification if <1 average trade per business day in the previous year            | No   |  |                               |                                  |                                |
| Top five investment firms ranked in t erms of trading volumes (descending o rder) | Proportion of volume trad<br>ed as a percentage of tot<br>al in that class | Proportion of orders exec<br>uted as percentage of tot<br>al in that class | Percentage of pass ive orders | Percentage of aggres sive orders | Percentage of dire cted orders |
| MS  | 100.00 %   | 100.00 %   | 33.98 %                       | 35.92 %                          | 0.00 %                         |
| Interaction   | Placement/transmission   |  |                               |                                  |                                |
| Report provided by LiquidMetrix   |  |  |                               |                                  |                                |



| Class of Instrument   | Equities - Shares & Depositary Receipts (T34)                              |  |                               |                                  |                                |
|---|--|--|-------------------------------|----------------------------------|--------------------------------|
| Notification if <1 average trade per business day in the previous year            | No   |  |                               |                                  |                                |
| Top five investment firms ranked in t erms of trading volumes (descending o rder) | Proportion of volume trad<br>ed as a percentage of tot<br>al in that class | Proportion of orders exec<br>uted as percentage of tot<br>al in that class | Percentage of pass ive orders | Percentage of aggres sive orders | Percentage of dire cted orders |
| MS  | 100.00 %   | 100.00 %   | 34.45 %                       | 50.59 %                          | 0.00 %                         |
| Interaction   | Placement/transmission   |  |                               |                                  |                                |
| Report provided by LiquidMetrix   |  |  |                               |                                  |                                |



| Class of Instrument   | Equities - Shares & Depositary Receipts (T56)                              |  |                               |                                  |                                |
|---|--|--|-------------------------------|----------------------------------|--------------------------------|
| Notification if <1 average trade per business day in the previous year            | No   |  |                               |                                  |                                |
| Top five investment firms ranked in t erms of trading volumes (descending o rder) | Proportion of volume trad<br>ed as a percentage of tot<br>al in that class | Proportion of orders exec<br>uted as percentage of tot<br>al in that class | Percentage of pass ive orders | Percentage of aggres sive orders | Percentage of dire cted orders |
| MS  | 100.00 %   | 100.00 %   | 47.45 %                       | 44.71 %                          | 0.00 %                         |
| Interaction   | Placement/transmission   |  |                               |                                  |                                |
| Report provided by LiquidMetrix   |  |  |                               |                                  |                                |



| Class of Instrument   | Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities) |  |                               |                                  |                                |
|---|---|--|-------------------------------|----------------------------------|--------------------------------|
| Notification if <1 average trade per business day in the previous year            | No  |  |                               |                                  |                                |
| Top five investment firms ranked in t erms of trading volumes (descending o rder) | Proportion of volume trad<br>ed as a percentage of tot<br>al in that class                              | Proportion of orders exec<br>uted as percentage of tot<br>al in that class | Percentage of pass ive orders | Percentage of aggres sive orders | Percentage of dire cted orders |
| MS  | 100.00 %  | 100.00 %   | 52.00 %                       | 28.00 %                          | 0.00 %                         |
| Interaction   | Placement/transmission  |  |                               |                                  |                                |
| Report provided by LiquidMetrix   |   |  |                               |                                  |                                |



| Class of Instrument   | Other instruments  |  |                               |                                  |                                |  |
|---|--|--|-------------------------------|----------------------------------|--------------------------------|--|
| Notification if <1 average trade per business day in the previous year            | Yes  |  |                               |                                  |                                |  |
| Top five investment firms ranked in t erms of trading volumes (descending o rder) | Proportion of volume trad<br>ed as a percentage of tot<br>al in that class | Proportion of orders exec<br>uted as percentage of tot<br>al in that class | Percentage of pass ive orders | Percentage of aggres sive orders | Percentage of dire cted orders |  |
| MS  | 100.00 %   | 100.00 %   | 0.00 %                        | 0.00 %                           | 0.00 %                         |  |
| Interaction   | Placement/transmission   |  |                               |                                  |                                |  |
| Report provided by LiquidMetrix   |  |  |                               |                                  |                                |  |