ativo = 'ITSA4'

info = mt5.symbol\_info(ativo)

info

SymbolInfo(

custom=False,

chart\_mode=1,

select=True,

visible=True,

session\_deals=40962,

session\_buy\_orders=0,

session\_sell\_orders=0, volume=2983900,

volumehigh=55941361482,

volumelow=1900,

time=1622831962,

digits=2,

spread=2, spread\_float=True, ticks\_bookdepth=32, trade\_calc\_mode=32, trade\_mode=4,

start\_time=0, **expiration\_time=**0, trade\_stops\_level=0, trade\_freeze\_level=0, trade\_exemode=3, swap\_mode=0, swap\_rollover3days=3, margin\_hedged\_use\_leg=False,

expiration\_mode=11, filling\_mode=3, order\_mode=127, order\_gtc\_mode=0, option\_mode=0, option\_right=0,

bid=11.88, bidhigh=11.92, bidlow=11.58,

ask=11.9, askhigh=11.93, asklow=11.6,

last=11.9, lasthigh=11.93, lastlow=11.59,

volume\_real=2983900.0,

volumehigh\_real=55941361482.69073, volumelow\_real=1900.0, option\_strike=0.0,

point=0.01, trade\_tick\_value=0.01, trade\_tick\_value\_profit=0.01, trade\_tick\_value\_loss=0.01, trade\_tick\_size=0.01, trade\_contract\_size=1.0, trade\_accrued\_interest=0.0, trade\_face\_value=0.0, trade\_liquidity\_rate=0.0,

volume\_min=100.0, volume\_max=55209772.0, volume\_step=100.0, volume\_limit=0.0, swap\_long=0.0, swap\_short=0.0, margin\_initial=0.0, margin\_maintenance=0.0,

session\_volume=43365600.0,

session\_turnover=0.0,

session\_interest=0.0,

session\_buy\_orders\_volume=0.0,

session\_sell\_orders\_volume=0.0,

session\_open=11.59,

session\_close=11.64,

session\_aw=11.77,

session\_price\_settlement=0.0, session\_price\_limit\_min=0.0, session\_price\_limit\_max=0.0, margin\_hedged=0.0, price\_change=2.2337, price\_volatility=0.0, price\_theoretical=0.0, price\_greeks\_delta=0.0, price\_greeks\_theta=0.0, price\_greeks\_gamma=0.0, price\_greeks\_vega=0.0, price\_greeks\_rho=0.0, price\_greeks\_omega=0.0, price\_sensitivity=0.0, basis='',

category='',

currency\_base='BRL',

currency\_profit='BRL',

currency\_margin='BRL', bank='',

description='ITAUSA PN EDJ N1',

exchange='',

formula='', isin='BRITSAACNPR7', name='ITSA4', page='', path='BOVESPA\\A VISTA\\ITSA4')

(SymbolInfo(custom=False, chart\_mode=1, select=False, visible=False, session\_deals=0, session\_buy\_orders=0, session\_sell\_orders=0, volume=0, volumehigh=0, volumelow=0, time=0, digits=2, spread=0, spread\_float=True, ticks\_bookdepth=32, trade\_calc\_mode=35, trade\_mode=4, start\_time=0, **expiration\_time=1626469199**, trade\_stops\_level=0, trade\_freeze\_level=0, trade\_exemode=3, swap\_mode=0, swap\_rollover3days=3, margin\_hedged\_use\_leg=False, expiration\_mode=11, filling\_mode=3, order\_mode=127, order\_gtc\_mode=0, option\_mode=0, option\_right=1, bid=0.0, bidhigh=0.0, bidlow=0.0, ask=0.0, askhigh=0.0, asklow=0.0, last=0.0, lasthigh=0.0, lastlow=0.0, volume\_real=0.0, volumehigh\_real=0.0, volumelow\_real=0.0, **option\_strike=22.5**, point=0.01, trade\_tick\_value=0.01, trade\_tick\_value\_profit=0.01, trade\_tick\_value\_loss=0.01, trade\_tick\_size=0.01, trade\_contract\_size=1.0, trade\_accrued\_interest=0.0, trade\_face\_value=0.0, trade\_liquidity\_rate=0.0, volume\_min=100.0, volume\_max=20000000.0, volume\_step=100.0, volume\_limit=0.0, swap\_long=0.0, swap\_short=0.0, margin\_initial=0.0, margin\_maintenance=0.0, session\_volume=0.0, session\_turnover=0.0, session\_interest=0.0, session\_buy\_orders\_volume=0.0, session\_sell\_orders\_volume=0.0, session\_open=0.0, session\_close=0.0, session\_aw=0.0, session\_price\_settlement=0.0, session\_price\_limit\_min=0.0, session\_price\_limit\_max=0.0, margin\_hedged=0.0, price\_change=0.0, price\_volatility=0.0, price\_theoretical=0.0, price\_greeks\_delta=0.0, price\_greeks\_theta=0.0, price\_greeks\_gamma=0.0, price\_greeks\_vega=0.0, price\_greeks\_rho=0.0, price\_greeks\_omega=0.0, price\_sensitivity=0.0**, basis='BBSE3',** category='', currency\_base='BRL', currency\_profit='BRL', currency\_margin='BRL', bank='', description='BBSEE ON 22,50', exchange='', formula='', isin='BRBBSE3S06T3', **name='BBSES225'**, page='', path='BOVESPA\\OPCOES\\BBSES225'),)

|  |
| --- |
| (SymbolInfo( |
| custom=False |
| chart\_mode=1 |
| select=False |
| visible=False |
| session\_deals=0 |
| session\_buy\_orders=0 |
| session\_sell\_orders=0 |
| volume=0 |
| volumehigh=0 |
| volumelow=0 |
| time=0 |
| digits=2 |
| spread=0 |
| spread\_float=True |
| ticks\_bookdepth=32 |
| trade\_calc\_mode=35 |
| trade\_mode=4 |
| start\_time=0 |
| **expiration\_time=1626469199** |
| trade\_stops\_level=0 |
| trade\_freeze\_level=0 |
| trade\_exemode=3 |
| swap\_mode=0 |
| swap\_rollover3days=3 |
| margin\_hedged\_use\_leg=False |
| expiration\_mode=11 |
| filling\_mode=3 |
| order\_mode=127 |
| order\_gtc\_mode=0 |
| option\_mode=0 |
| option\_right=1 |
| bid=0.0 |
| bidhigh=0.0 |
| bidlow=0.0 |
| ask=0.0 |
| askhigh=0.0 |
| asklow=0.0 |
| last=0.0 |
| lasthigh=0.0 |
| lastlow=0.0 |
| volume\_real=0.0 |
| volumehigh\_real=0.0 |
| volumelow\_real=0.0 |
| **option\_strike=22.5** |
| point=0.01 |
| trade\_tick\_value=0.01 |
| trade\_tick\_value\_profit=0.01 |
| trade\_tick\_value\_loss=0.01 |
| trade\_tick\_size=0.01 |
| trade\_contract\_size=1.0 |
| trade\_accrued\_interest=0.0 |
| trade\_face\_value=0.0 |
| trade\_liquidity\_rate=0.0 |
| volume\_min=100.0 |
| volume\_max=20000000.0 |
| volume\_step=100.0 |
| volume\_limit=0.0 |
| swap\_long=0.0 |
| swap\_short=0.0 |
| margin\_initial=0.0 |
| margin\_maintenance=0.0 |
| session\_volume=0.0 |
| session\_turnover=0.0 |
| session\_interest=0.0 |
| session\_buy\_orders\_volume=0.0 |
| session\_sell\_orders\_volume=0.0 |
| session\_open=0.0 |
| session\_close=0.0 |
| session\_aw=0.0 |
| session\_price\_settlement=0.0 |
| session\_price\_limit\_min=0.0 |
| session\_price\_limit\_max=0.0 |
| margin\_hedged=0.0 |
| price\_change=0.0 |
| price\_volatility=0.0 |
| price\_theoretical=0.0 |
| price\_greeks\_delta=0.0 |
| price\_greeks\_theta=0.0 |
| price\_greeks\_gamma=0.0 |
| price\_greeks\_vega=0.0 |
| price\_greeks\_rho=0.0 |
| price\_greeks\_omega=0.0 |
| price\_sensitivity=0.0 |
| **basis='BBSE3'** |
| category='' |
| currency\_base='BRL' |
| currency\_profit='BRL' |
| currency\_margin='BRL' |
| bank='' |
| description='BBSEE ON 22 |
| 50' |
| exchange='' |
| formula='' |
| isin='BRBBSE3S06T3' |
| **name='BBSES225'** |
| page='' |
| path='BOVESPA\\OPCOES\\BBSES225') |
| ) |
|  |

ativo = 'ITSAF109'

info = mt5.symbol\_info(ativo)

info

SymbolInfo(custom=False, chart\_mode=1, select=True, visible=True, session\_deals=148, session\_buy\_orders=0, session\_sell\_orders=0, volume=200, volumehigh=136183744520, volumelow=100, time=1622826900, digits=2, spread=0, spread\_float=True, ticks\_bookdepth=32, trade\_calc\_mode=35, trade\_mode=4, start\_time=0, **expiration\_time=1624049999**, trade\_stops\_level=0, trade\_freeze\_level=0, trade\_exemode=3, swap\_mode=0, swap\_rollover3days=3, margin\_hedged\_use\_leg=False,

**expiration\_mode=11**, filling\_mode=3, order\_mode=127, order\_gtc\_mode=0, option\_mode=1, option\_right=0,

bid=0.0, bidhigh=1.17, bidlow=0.75,

ask=0.0, askhigh=1.25, asklow=0.87,

last=1.07, lasthigh=1.18, lastlow=0.75,

volume\_real=200.0,

volumehigh\_real=136183744520.99416,

volumelow\_real=100.0,

option\_strike=10.76, point=0.01, trade\_tick\_value=0.01, trade\_tick\_value\_profit=0.01, trade\_tick\_value\_loss=0.01, trade\_tick\_size=0.01, trade\_contract\_size=1.0, trade\_accrued\_interest=0.0, trade\_face\_value=0.0, trade\_liquidity\_rate=0.0, volume\_min=100.0, volume\_max=55209772.0, volume\_step=100.0, volume\_limit=0.0, swap\_long=0.0, swap\_short=0.0, margin\_initial=0.0, margin\_maintenance=0.0, session\_volume=612500.0, session\_turnover=0.0, session\_interest=0.0, session\_buy\_orders\_volume=0.0, session\_sell\_orders\_volume=0.0, session\_open=0.88, session\_close=0.88, session\_aw=1.04, session\_price\_settlement=0.0, session\_price\_limit\_min=0.0, session\_price\_limit\_max=0.0, margin\_hedged=0.0, price\_change=21.5909, price\_volatility=0.0, price\_theoretical=0.0, price\_greeks\_delta=0.0, price\_greeks\_theta=0.0, price\_greeks\_gamma=0.0, price\_greeks\_vega=0.0, price\_greeks\_rho=0.0, price\_greeks\_omega=0.0, price\_sensitivity=0.0, basis='ITSA4', category='', currency\_base='BRL', currency\_profit='BRL', currency\_margin='BRL', bank='', description='ITSA FM/EDJPN 10,76', exchange='', formula='', isin='BRITSA4F0K62',

name='ITSAF109',

page='', path='BOVESPA\\OPCOES\\ITSAF109')

a = mt5.symbol\_info(ativo)

SymbolInfo(

custom=False, chart\_mode=1, select=True, visible=True, session\_deals=40962, session\_buy\_orders=0, session\_sell\_orders=0, volume=2983900, volumehigh=55941361482, volumelow=1900, time=1622831962, digits=2, spread=2, spread\_float=True, ticks\_bookdepth=32, trade\_calc\_mode=32, trade\_mode=4, start\_time=0, expiration\_time=0, trade\_stops\_level=0, trade\_freeze\_level=0, trade\_exemode=3, swap\_mode=0, swap\_rollover3days=3, margin\_hedged\_use\_leg=False, expiration\_mode=11, filling\_mode=3, order\_mode=127, order\_gtc\_mode=0, option\_mode=0, option\_right=0,

bid=11.88, bidhigh=11.92, bidlow=11.58,

ask=11.9, askhigh=11.93, asklow=11.6,

last=11.9, lasthigh=11.93, lastlow=11.59,

volume\_real=2983900.0, volumehigh\_real=55941361482.69073, volumelow\_real=1900.0, **option\_strike**=0.0, point=0.01, trade\_tick\_value=0.01, trade\_tick\_value\_profit=0.01, trade\_tick\_value\_loss=0.01, trade\_tick\_size=0.01, trade\_contract\_size=1.0, trade\_accrued\_interest=0.0, trade\_face\_value=0.0, trade\_liquidity\_rate=0.0, volume\_min=100.0, volume\_max=55209772.0, volume\_step=100.0, volume\_limit=0.0, swap\_long=0.0, swap\_short=0.0, margin\_initial=0.0, margin\_maintenance=0.0, session\_volume=43365600.0, session\_turnover=0.0, session\_interest=0.0, session\_buy\_orders\_volume=0.0, session\_sell\_orders\_volume=0.0, session\_open=11.59, session\_close=11.64, session\_aw=11.77, session\_price\_settlement=0.0, session\_price\_limit\_min=0.0, session\_price\_limit\_max=0.0, margin\_hedged=0.0, price\_change=2.2337, price\_volatility=0.0, price\_theoretical=0.0, price\_greeks\_delta=0.0, price\_greeks\_theta=0.0, price\_greeks\_gamma=0.0, price\_greeks\_vega=0.0, price\_greeks\_rho=0.0, price\_greeks\_omega=0.0, price\_sensitivity=0.0, basis='', category='', currency\_base='BRL', currency\_profit='BRL', currency\_margin='BRL', bank='', description='ITAUSA PN EDJ N1', exchange='', formula='', isin='BRITSAACNPR7', name='ITSA4', page='', path='BOVESPA\\A VISTA\\ITSA4')

SymbolInfo(custom=False, chart\_mode=1, select=True, visible=True, session\_deals=9, session\_buy\_orders=0, session\_sell\_orders=0, **volume=200**, volumehigh=7000, volumelow=100, time=1623333794, digits=2, spread=53, spread\_float=True, ticks\_bookdepth=32, trade\_calc\_mode=35, trade\_mode=4, start\_time=0, expiration\_time=1624049999, trade\_stops\_level=0, trade\_freeze\_level=0, trade\_exemode=3, swap\_mode=0, swap\_rollover3days=3, margin\_hedged\_use\_leg=False, expiration\_mode=11, filling\_mode=3, order\_mode=127, order\_gtc\_mode=0, option\_mode=1, option\_right=0, **bid=1.47, bidhigh=1.85, bidlow=1.47, ask=2.0, askhigh=2.0, asklow=1.72, last=1.72, lasthigh=1.87, lastlow=1.7, volume\_real=200.0**, volumehigh\_real=7000.0, volumelow\_real=100.0, **option\_strike=12.01**, point=0.01, trade\_tick\_value=0.01, trade\_tick\_value\_profit=0.01, trade\_tick\_value\_loss=0.01, trade\_tick\_size=0.01, trade\_contract\_size=1.0, trade\_accrued\_interest=0.0, trade\_face\_value=0.0, trade\_liquidity\_rate=0.0, volume\_min=1.0, volume\_max=11273254.0, volume\_step=1.0, volume\_limit=0.0, swap\_long=0.0, swap\_short=0.0, margin\_initial=0.0, margin\_maintenance=0.0, session\_volume=11700.0, session\_turnover=0.0, session\_interest=0.0, session\_buy\_orders\_volume=0.0, session\_sell\_orders\_volume=0.0, session\_open=1.85, session\_close=1.8199999999999998, session\_aw=1.75, session\_price\_settlement=0.0, session\_price\_limit\_min=0.0, session\_price\_limit\_max=0.0, margin\_hedged=0.0, price\_change=-5.4945, price\_volatility=0.0, price\_theoretical=0.0, price\_greeks\_delta=0.0, price\_greeks\_theta=0.0, price\_greeks\_gamma=0.0, price\_greeks\_vega=0.0, price\_greeks\_rho=0.0, price\_greeks\_omega=0.0, price\_sensitivity=0.0, **basis='CMIG4'**, category='', currency\_base='BRL', currency\_profit='BRL', currency\_margin='BRL', bank='', description='CMIG PN 12,01', exchange='', formula='', isin='BRCMIG4F0CB8', **name='CMIGF139'**, page='', path='BOVESPA\\OPCOES\\CMIGF139')

mt5.symbol\_info\_tick('CMIGF139')

Tick(time=1623333794, bid=1.47, ask=2.0, last=1.72, volume=200, time\_msc=1623333794365, flags=4, **volume\_real=200.0**)