OrderMixin

Regular Limit Order mixin

Derives

- Permitable
- PredicateHelper
- NonceManager
- ChainlinkCalculator
- AmountCalculator
- EIP712

Functions

remaining

function

remaining (bytes32 orderHash)

external

returns

(uint256) Returns unfilled amount for order. Throws if order does not exist

Parameters:

Name Type Description orderHash bytes32

remainingRaw

function

remainingRaw (bytes32 orderHash)

external

returns

(uint256) Returns unfilled amount for order

Parameters:

Name Type Description orderHash bytes32

Return Values:

Name Type Description Result uint256 Unfilled amount of order plus one if order exists. Otherwise 0

remainingsRaw

function

remainingsRaw (bytes32 [ ] orderHashes)

external

returns

(uint256 [ ]) Same asremainingRaw but for multiple orders

Parameters:

Name Type Description orderHashes bytes32[]

simulateCalls

function

simulateCalls (address [ ] targets , bytes [ ] data)

external Calls every target with corresponding data. Then reverts with CALL_RESULTS_0101011 where zeroes and ones denote failure or success of the corresponding call

Parameters:

Name Type Description targets address[] Array of addresses that will be called data bytes[] Array of data that will be passed to each call

cancelOrder

function

cancelOrder (struct

OrderLib . Order order)

external Cancels order by setting remaining amount to zero

Parameters:

Name Type Description order struct OrderLib.Order

fillOrder

function

fillOrder (struct

OrderLib . Order order , bytes signature , bytes interaction , uint256 makingAmount , uint256 takingAmount , uint256 thresholdAmount)

external

returns

(uint256 ,

uint256) Fills an order. If one doesn't exist (first fill) it will be created using order.makerAssetData

Parameters:

Name Type Description order struct OrderLib.Order Order quote to fill signature bytes Signature to confirm quote ownership interaction bytes Making amount makingAmount uint256 Taking amount takingAmount uint256 Specifies maximum allowed takingAmount when takingAmount is zero, otherwise specifies minimum allowed makingAmount thresholdAmount uint256

fillOrderToWithPermit

function

fillOrderToWithPermit (struct

OrderLib . Order order , bytes signature , bytes interaction , uint256 makingAmount , uint256 takingAmount , uint256 thresholdAmount , address target , bytes permit)

external

returns

(uint256 ,

uint256) Same asfillOrder but calls permit first, allowing to approve token spending and make a swap in one transaction. Also allows to specify funds destination instead ofmsg.sender

See tests for examples

Parameters:

Name Type Description order struct OrderLib.Order Order quote to fill signature bytes Signature to confirm quote ownership interaction bytes Making amount makingAmount uint256 Taking amount takingAmount uint256 Specifies maximum allowed takingAmount when takingAmount is zero, otherwise specifies minimum allowed makingAmount thresholdAmount uint256 Address that will receive swap funds target address Should consist of abiencoded token address and encodedIERC20Permit.permit call. permit bytes

fillOrderTo

function

fillOrderTo (struct

OrderLib . Order order_ , bytes signature , bytes interaction , uint256 makingAmount , uint256 takingAmount , uint256 thresholdAmount , address target)

public

returns

(uint256 ,

uint256) Same asfillOrder but allows to specify funds destination instead ofmsg.sender

Parameters:

Name Type Description order_ struct OrderLib.Order Order quote to fill signature bytes Signature to confirm quote ownership interaction bytes Making amount makingAmount uint256 Taking amount takingAmount uint256 Specifies maximum allowed takingAmount when takingAmount is zero, otherwise specifies minimum allowed makingAmount thresholdAmount uint256 Address that will receive swap funds target address

checkPredicate

function

checkPredicate (struct

OrderLib . Order order)

public

returns

(bool) Checks order predicate

Parameters:

Name Type Description order struct OrderLib.Order

hashOrder

function

hashOrder (struct

OrderLib . Order order)

public

returns

(bytes32)

Parameters:

Name Type Description order struct OrderLib.Order

Events

OrderFilled

event

OrderFilled (address maker , bytes32 orderHash , uint256 remaining) Emitted every time order gets filled, including partial fills

Parameters:

Name Type Description maker address orderHash bytes32 remaining uint256

OrderCanceled

event

OrderCanceled (address maker , bytes32 orderHash , uint256 remainingRaw) Emitted when order gets cancelled

Parameters:

Name Type Description maker address orderHash bytes32 remainingRaw uint256Edit this page Previous OrderLib Next OrderRFQMixin