

# OrderRFQMixin

RFQ Limit Order mixin

## Derives

- [Permittable](#)
- [AmountCalculator](#)
- [EIP712](#)

## Functions

### invalidatorForOrderRFQ

function

invalidatorForOrderRFQ ( address maker , uint256 slot )

external

returns

( uint256 ) Returns bitmask for double-spend invalidators based on lowest byte of order.info and filled quotes

#### Parameters:

Name	Type	Description
maker	address	slot uint256

#### Return Values:

Name	Type	Description	Result
uint256	Each bit represents whether corresponding was already invalidated		

### cancelOrderRFQ

function

cancelOrderRFQ ( uint256 orderInfo )

external Cancels order's quote

#### Parameters:

Name	Type	Description
orderInfo	uint256	

### fillOrderRFQ

function

fillOrderRFQ ( struct

OrderRFQMixin . Order order , bytes signature , uint256 makingAmount , uint256 takingAmount )

external

returns

( uint256 ,

uint256 ) Fills order's quote, fully or partially (whichever is possible)

#### Parameters:

Name	Type	Description
order	struct OrderRFQMixin.Order	Order quote to fill
signature	bytes	Signature to confirm quote ownership
makingAmount	uint256	Making amount
takingAmount	uint256	Taking amount

### fillOrderRFQToWithPermit

function

fillOrderRFQToWithPermit ( struct

OrderRFQMixin . Order order , bytes signature , uint256 makingAmount , uint256 takingAmount , address target , bytes permit )

external

returns

( uint256 ,

uint256 ) Fills Same asfillOrderRFQ 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 OrderRFQMixin.Order	Order quote to fill
signature	bytes	Signature to confirm quote ownership
makingAmount	uint256	Making amount
takingAmount	uint256	Taking amount
target	address	Address that will receive swap funds
permit	bytes	Should consist of abiencoded token address and encodedIERC20Permit.permit call.

### fillOrderRFQTo

function

fillOrderRFQTo ( struct

OrderRFQMixin . Order order , bytes signature , uint256 makingAmount , uint256 takingAmount , address target )

public

returns

( uint256 ,

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

#### Parameters:

Name	Type	Description
order	struct OrderRFQMixin.Order	Order quote to fill
signature	bytes	Signature to confirm quote ownership
makingAmount	uint256	Making amount
takingAmount	uint256	Taking amount
target	address	Address that will receive swap funds

## Events

### OrderFilledRFQ

event

OrderFilledRFQ ( bytes32 orderHash , uint256 makingAmount ) Emitted when RFQ gets filled

#### Parameters:

Name	Type	Description
orderHash	bytes32	makingAmount
uint256		<a href="#">Edit this page</a> <a href="#">Previous</a> <a href="#">OrderMixin</a> <a href="#">Next</a> <a href="#">Table of contents</a>