LimitOrderProtocolRFQ

Derives

- [Permitable](#)
- [EIP712](#)
- [EthReceiver](#)

Functions

constructor

function

constructor (address weth)

public

Parameters:

Name Type Description weth address

DOMAIN_SEPARATOR

function

DOMAIN_SEPARATOR ( )

external

returns

(bytes32)

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 whenever corresponding quote was filled

cancelOrderRFQ

function

cancelOrderRFQ (uint256 orderInfo)

external Cancels order's quote

Parameters:

Name Type Description orderInfo uint256

fillOrderRFQ

function

fillOrderRFQ (struct

LimitOrderProtocolRFQ . OrderRFQ 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 LimitOrderProtocolRFQ.OrderRFQ Order quote to fill signature bytes Signature to confirm quote ownership makingAmount uint256 Making amount takingAmount uint256 Taking amount

fillOrderRFQToWithPermit

function

fillOrderRFQToWithPermit (struct

LimitOrderProtocolRFQ . OrderRFQ order , bytes signature , uint256 makingAmount , uint256 takingAmount , address

payable 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

Parameters:

Name Type Description order struct LimitOrderProtocolRFQ.OrderRFQ Order quote to fill signature bytes Signature to confirm quote ownership makingAmount uint256 Making amount takingAmount uint256 Taking amount target address payable Address that will receive swap funds permit bytes Should consist of abiencoded token address and encodedIERC20Permit.permit call. See tests for examples

fillOrderRFQTo

function

fillOrderRFQTo (struct

LimitOrderProtocolRFQ . OrderRFQ order , bytes signature , uint256 makingAmount , uint256 takingAmount , address

payable target)

public

returns

(uint256 ,

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

Parameters:

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

Events

OrderFilledRFQ

event

OrderFilledRFQ (bytes32 orderHash , uint256 makingAmount)

Parameters:

Name Type Description orderHash bytes32 makingAmount uint256