



**Full credit is given to the above companies including the Operating System (OS) that this PDF file was generated!**

***Rocky Enterprise Linux 9.2 Manual Pages on command 'EVP\_MD-KECCAK-KMAC.7ssl'***

***\$ man EVP\_MD-KECCAK-KMAC.7ssl***

EVP\_MD-SHAKE(7SSL)                      OpenSSL                      EVP\_MD-SHAKE(7SSL)

**NAME**

EVP\_MD-SHAKE, EVP\_MD-KECCAK-KMAC - The SHAKE / KECCAK family EVP\_MD implementations

**DESCRIPTION**

Support for computing SHAKE or KECCAK-KMAC digests through the EVP\_MD API.

KECCAK-KMAC is a special digest that's used by the KMAC EVP\_MAC implementation (see EVP\_MAC-KMAC(7)).

**Identities**

This implementation is only available with the default provider, and includes the following varieties:

**KECCAK-KMAC-128**

Known names are "KECCAK-KMAC-128" and "KECCAK-KMAC128"

**KECCAK-KMAC-256**

Known names are "KECCAK-KMAC-256" and "KECCAK-KMAC256"

**SHAKE-128**

Known names are "SHAKE-128" and "SHAKE128"

## SHAKE-256

Known names are "SHAKE-256" and "SHAKE256"

### Gettable Parameters

This implementation supports the common gettable parameters described in `EVP_MD-common(7)`.

### Settable Context Parameters

These implementations support the following `OSSL_PARAM(3)` entries, settable for an `EVP_MD_CTX` with `EVP_MD_CTX_set_params(3)`:

"xoflen" (`OSSL_DIGEST_PARAM_XOFLEN`) <unsigned integer>

Sets the digest length for extendable output functions. The length of the "xoflen" parameter should not exceed that of a `size_t`.

### SEE ALSO

`EVP_MD_CTX_set_params(3)`, `provider-digest(7)`, `OSSL_PROVIDER-default(7)`

### COPYRIGHT

Copyright 2020 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the Apache License 2.0 (the "License"). You may not use this file except in compliance with the License. You can obtain a copy in the file `LICENSE` in the source distribution or at <https://www.openssl.org/source/license.html>.