NAME

PEXCreateSearchContext – Create Search Context

SYNTAX

PEXSearchContext PEXCreateSearchContext(Display **display*, unsigned long *value_mask*, PEXSCAttributes **values*)

PARAMETERS

display	A pointer to a display structure returned by a successful **XOpenDisplay** call.
value_mask	A mask indicating the attributes specified.
values	A pointer to values used to override default values in the new search context resource.

RETURNS

The resource identifier of the newly-created search context resource.

DESCRIPTION

This function creates a search context and returns the resource identifier of the created search context resource. The value mask indicates which values are specified to override the default values.

Attribute Name	Default Value
PEXSCPosition	<0.0, 0.0, 0.0>
PEXSCDistance	0.0
PEXSCCeiling	1
PEXSCModelClipFlag	False
PEXSCStartPath	NULL
PEXSCNormalList	NULL
PEXSCInvertedList	NULL

DATA STRUCTURES

```
typedef  XID   PEXRenderer;

typedef  XID   PEXSearchContext;

typedef struct {
    PEXCoord                    position;
    float                       distance;
    unsigned short              ceiling;
    Bool                        model_clip_flag;
    PEXStructurePath start_path;
    PEXListOfNameSetPair        normal;
    PEXListOfNameSetPair        inverted;
} PEXSCAttributes;

typedef struct {
    float       x;
    float       y;
    float       z;
```

```
} PEXCoord;

typedef struct {
    unsigned long          count;      /* number of elements */
    PEXElementRef          *elements;
} PEXStructurePath;

typedef struct {
    PEXStructure           structure;
    unsigned long          offset;
} PEXElementRef;

typedef  XID               PEXStructure;

typedef struct {
    unsigned short         count;      /* number of pairs */
    PEXNameSetPair         *pairs;
} PEXListOfNameSetPair;

typedef struct {
    PEXNameSet             inclusion;
    PEXNameSet             exclusion;
} PEXNameSetPair;

typedef  XID               PEXNameSet;
```

ERRORS

BadAlloc
The server failed to allocate the resource.

BadPEXNameSet
The specified name set resource identifier is invalid.

BadPEXPath
The specified path is invalid.

BadValue
A specified value is out of range, or an invalid bit is set in the value mask.

SEE ALSO

PEXFreeSearchContext(3)