# LÜDECKE

Since 1930. The perfect connection.

PATENTED PATENTED

TempSecure® by LÜDECKE

# Temperature Regulation Quick Connect Coupling System with Automatic Locking Mechanism

## Product Range 2018 / 19

LÜDECKE MADE IN GERMANY

# LÜDECKE TempSecure®

## Safety without Compromise for Temperature Regulation Applications

The patented LÜDECKE TempSecure® temperature regulation quick connect coupling system features an automatic safety locking mechanism that offers an effective solution for unintentional disconnection and unlocking.

Thus, the coupling is especially suited for the use with aggressive media, such as temperature regulation applications with hot or cold water as well as tempered oil between - 20°C and + 200°C*. High quality FKM-O-rings make the coupling an ideal media carrier especially with high temperature.

TempSecure® by LÜDECKE

*subject to used media

### A plus for safety

- Patented automatic safety locking mechanism
- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of high resistant special brass

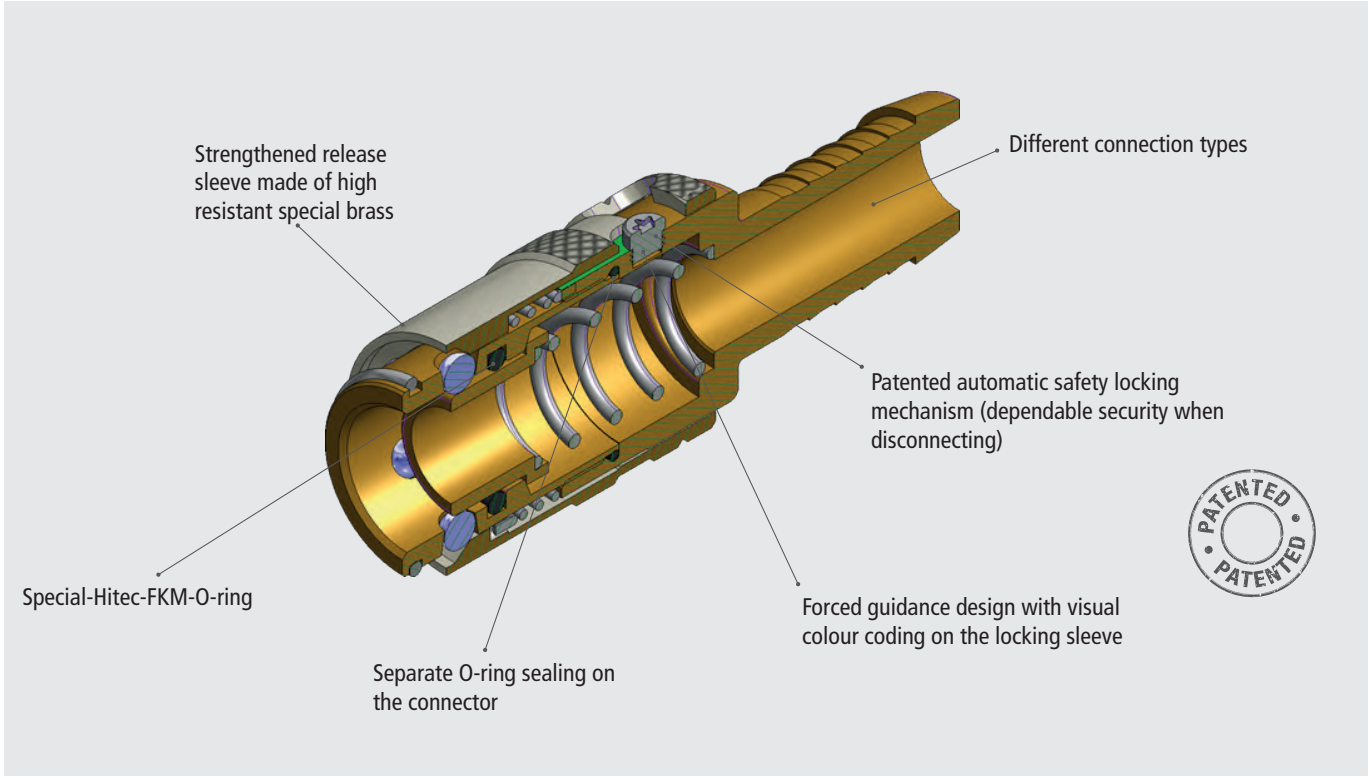
### Maximum durability

- High temperature seals (Special-Hitec-FKM-O-ring) with resilient characteristics
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

### According to your desires

- Available for the series ESHMT DN 6 and ESHT DN 9 (European plug profile) as well as ESDMT DN 6 and ESDT DN 9 (completely compatible to International plug profile) NEW!
- NEW: Series ESHMT DN 6 and ESHT DN 9 also available in stainless steel NEW!
- Optionally available straight-through, single or double shut-off

## High-Quality Materials Guarantee Best Reliability

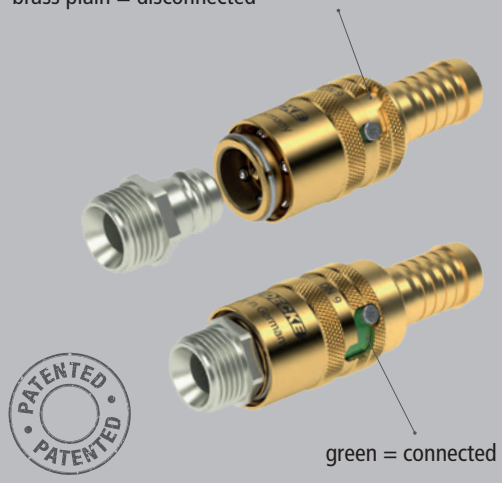



## The Guardian Angel for the Plastics Industry

The **LÜDECKE** TempSecure® temperature regulation quick connect couplings - highest flexibility due to different sizes and connection types.

# Easy - Reliable - Quick

visual colour coding on the locking sleeve
brass plain = disconnected




green = connected

The **LÜDECKE** TempSecure® temperature regulation quick connect coupling system is characterized above all through its simple and intuitive connecting process. Even in difficult and hidden areas, this enables a safe operation.

The connection takes place via automatic locking. An additional colour coding on the locking sleeve indicates a correct and secure connection clearly and unequivocally.

The disconnecting process can be blindly executed due to the forced guidance of the locking sleeve – it requires an axial movement of turning the locking sleeve, basically a manual unlocking motion. An accidental or unintentional disconnection is practically impossible.

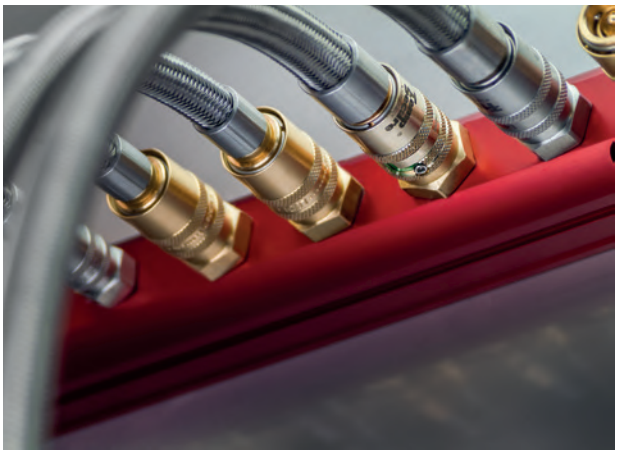
## Coupling:

One-hand operation – To connect the system simply push the plug into the safety coupling. The release sleeve moves automatically forward into the final safety lock position while twisting. The coupling is now firmly connected with the plug and secured against unintentional opening.

## Disconnection:

To release the plug from the safety coupling the sleeve has to be pushed manually and forcibly. Only with a conscious pulling/twisting movement, can the plug be removed from the safety coupling.

The TempSecure® safety coupling is especially suited for high safety required applications due to high temperatures of the used media.



**The reliable partner in the field of temperature regulation applications**

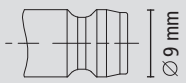
By mistake uncoupled and unlocked?
Not with the **LÜDECKE** TempSecure® program:
Effective protection against injury and loss of production.

# Temperature Regulation Quick Connect Couplings

## Series ESHMT Plug size 9 mm – High Resistant Special Brass

with Automatic Locking Mechanism

**DN 6**




Plug Profile (original size)

- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of high resistant special brass
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off valves
- Versions with additional O-ring sealing at connection port to prevent leakage with high temperature applications

**Materials**

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring

Temp Secure by LUDECKE

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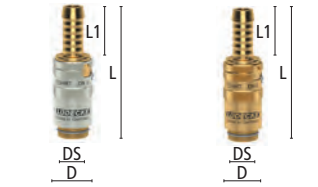
European Plug Profile

Also in Stainless Steel Series ESHMTE

| Max. Working Pressure | Temperature | DN | Thread | Operation | Type of valve | Media | |
|---|---|---|---|---|---|---|---|
| PN 15 bar | -20°C to +200°C* | 6 | ISO 288/ DIN 13 | One-hand | single/double/straight-thr. | Tempered media | 5 |

### Couplings with hose connection

#### Couplings with straight standard hose barb without/ with valve




| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.d. 9 | 61 | 18 | 22.5 | 9 | 6 | 58 | ESHMT 9 TL | ESHMT 9 TLAB |

#### Couplings with 45° standard hose stem without/ with valve

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.d. 9 | 54 | 18 | 22.5 | 9 | 6 | 82 | ESHMT 9 TL45 | ESHMT 9 TL45AB |

#### Couplings with 90° standard hose stem without/ with valve

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.d. 9 | 54 | 18 | 22.5 | 9 | 6 | 91 | ESHMT 9 TL90 | ESHMT 9 TL90AB |

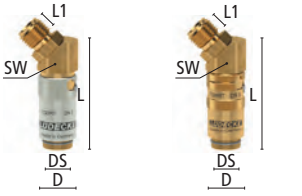
### Couplings with male thread

#### Couplings with straight male long thread without /with valve (inner cone DIN 3863)

NEW!

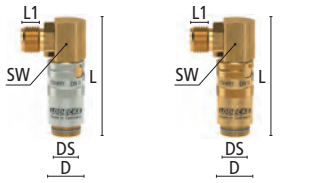
| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 1/4 m | 58 | 17 | 18 | 11 | 9 | 6 | 73 | ESHMT14AL | ESHMT14ALAB |
| G 3/8 m | 57 | 19 | 18 | 11 | 9 | 6 | 76 | ESHMT38AL | ESHMT38ALAB |
| M 14x1.5 m | 58 | 17 | 18 | 11 | 9 | 6 | 76 | ESHMT1415AL | ESHMT1415ALAB |

#### Couplings with 45° male long thread without/with valve (inner cone DIN 3863)




| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 1/4 m | 54 | 17 | 18 | 11 | 9 | 6 | 85 | ESHMT14AL45 | ESHMT14AL45AB |
| M 14x1.5 m | 54 | 17 | 18 | 11 | 9 | 6 | 87 | ESHMT1415AL45 | ESHMT1415AL45AB |

#### Couplings with 90° male long thread without/with valve (inner cone DIN 3863)




| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 1/4 m | 54 | 17 | 18 | 11 | 9 | 6 | 94 | ESHMT14AL90 | ESHMT14AL90AB |
| M 14x1.5 m | 54 | 17 | 18 | 11 | 9 | 6 | 96 | ESHMT1415AL90 | ESHMT1415AL90AB |

Other types / sizes on request!

*subject to media (oil: 200°C, water: 160°C, air: 200°C)

# Temperature Regulation Quick Connect Couplings

## plug size 13 mm – High Resistant Special Brass Series ESHT

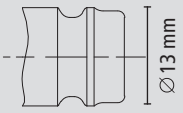
### with Automatic Locking Mechanism

**DN 9**

- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of high resistant special brass
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off valves
- Versions with additional O-ring sealing at connection port to prevent leakage with high temperature applications

**Materials**

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring



Plug Profile (original size)

| Max. Working Pressure | Temperature | DN | Thread | Operation | Type of valve | Media | |
|---|---|---|---|---|---|---|---|
| PN 15 bar | -20°C – +200°C* | 9 | ISO 228 / DIN 13 | One-hand | single/double/straight-thr. | Tempered media | 5 |

**Couplings with hose connection**

**Couplings with straight standard hose stem without/with valve**

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 63 | 23.5 | 25 | 13 | 9 | 81 | ESHT 13 TL | ESHT 13 TLAB |

**Couplings with 45° standard hose stem without/with valve**

| Hose connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 55 | 22 | 23.5 | 25 | 13 | 9 | 138 | ESHT 13 TL45 | ESHT 13 TL45AB |

**Couplings with 90° standard hose stem without/with valve**

| Hose connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 55 | 22 | 23.5 | 25 | 13 | 9 | 140 | ESHT 13 TL90 | ESHT 13 TL90AB |

**Couplings with male thread**

**Couplings with straight male long thread without/with valve (inner cone DIN 3863)**

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m | 55 | 22 | 23.5 | 12.5 | 13 | 9 | 94 | ESHT38AL | ESHT38ALAB |
| M 16x1.5 m | 55 | 22 | 23.5 | 12.5 | 13 | 9 | 93 | ESHT1615AL | ESHT1615ALAB |

**Couplings with 45° male long thread without/with valve (inner cone DIN 3863)**

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m | 55 | 22 | 23.5 | 12.5 | 13 | 9 | 134 | ESHT38AL45 | ESHT38AL45AB |
| M 16x1.5 m | 55 | 22 | 23.5 | 12 | 13 | 9 | 132 | ESHT1615AL45 | ESHT1615AL45AB |

**Couplings with 90° male long thread without/with valve (inner cone DIN 3863)**

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m | 55 | 22 | 23.5 | 12.5 | 13 | 9 | 134 | ESHT38AL90 | ESHT38AL90AB |
| M 16x1.5 m | 55 | 22 | 23.5 | 12 | 13 | 9 | 132 | ESHT1615AL90 | ESHT1615AL90AB |

Other types / sizes on request!

*subject to media (oil: 200°C, water: 160°C, air: 200°C)

Temp Secure by LÜDECKE

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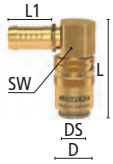
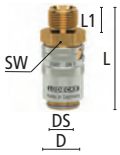
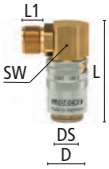
European Plug Profile

Also in Stainless Steel Series ESHTE





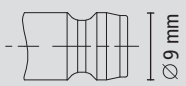


NEW!

# Temperature Regulation Quick Connect Couplings

## Series ESHMTE plug size 9 mm – Stainless Steel with Automatic Locking Mechanism

**DN 6**




Plug Profile (original size)

Temp Secure by LUDECKE

PATENTED

European Plug Profile

- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of stainless steel
- For temperature regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optionally available with straight-through, single or double shut-off valves
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

**Materials**

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring

| Max. Working Pressure | Temperature | DN | Thread | Operation | Type of valve | Media | |
|---|---|---|---|---|---|---|---|
| PN 15 bar | -20°C – +200°C* | 6 | ISO 228/ DIN 13 | One-hand | single/double/straight-thr. | Tempered media | 5 |

### Couplings with hose connection

### Couplings with straight standard hose stem without/with valve

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 9 | 61 | 18 | 22.5 | 9 | 6 | 54 | ESHMTE 9 TL | ESHMTE 9 TLAB |

### Couplings with 45° standard hose stem without/with valve

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 9 | 54 | 18 | 22.5 | 9 | 6 | 79 | ESHMTE 9 TL45 | ESHMTE 9 TL45AB |

### Couplings with 90° standard hose stem without/with valve

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 9 | 56 | 18 | 22.5 | 9 | 6 | 88 | ESHMTE 9 TL90 | ESHMTE 9 TL90AB |

### Couplings with male thread

### Couplings with straight male long thread without/with valve (inner cone DIN 3863)

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 1/4 m | 56.5 | 17 | 18 | 11 | 9 | 6 | 67 | ESHMTE14AL | ESHMTE14ALAB |
| M 14x1.5 m | 56.5 | 17 | 18 | 11 | 9 | 6 | 68 | ESHMTE1415AL | ESHMTE1415ALAB |

### Couplings with 45° male long thread without/with valve (inner cone DIN 3863)

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 1/4 m | 52 | 17 | 18 | 11 | 9 | 6 | 83 | ESHMTE14AL45 | ESHMTE14AL45AB |
| M 14x1.5 m | 52 | 17 | 18 | 11 | 9 | 6 | 84 | ESHMTE1415AL45 | ESHMTE1415AL4AB |

### Couplings with 90° male long thread without/with valve (inner cone DIN 3863)

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 1/4 m | 56 | 17 | 18 | 11 | 9 | 6 | 92 | ESHMTE14AL90 | ESHMTE14AL90AB |
| M 14x1.5 m | 56 | 17 | 18 | 11 | 9 | 6 | 93 | ESHMTE1415AL90 | ESHMTE1415AL9AB |

other types / sizes on request!

*subject to media (oil: 200°C, water: 160°C, air: 200°C)

# Temperature Regulation Quick Connect Couplings

## plug size 13 mm – Stainless Steel with Automatic Locking Mechanism Series ESHTE

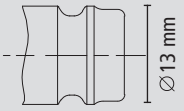
NEW!

- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of stainless steel
- For temperature regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optionally available with straight-through, single or double shut-off valves
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

**Materials**

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring

**DN 9**




Plug Profile (original size)

Temp Secure by LÜDECKE

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European Plug Profile

| Max. Working Pressure | Temperature | DN | Thread | Operation | Type of valve | Media | |
|---|---|---|---|---|---|---|---|
| PN 15 bar | -20°C – +200°C* | 9 | ISO 228/ DIN 13 | One-hand | single/double/straight-thr. | Tempered media | 5 |

**Couplings with hose connection**

**Couplings with straight standard hose stem without/with valve**

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 63 | 23.5 | 25 | 13 | 9 | 77 | ESHTE 13 TL | ESHTE 13 TLAB |

**Couplings with 45° standard hose stem without/with valve**

| Hose connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 55.5 | 22 | 23.5 | 25 | 13 | 9 | 134 | ESHTE 13 TL45 | ESHTE 13 TL45AB |

**Couplings with 90° standard hose stem without/with valve**

| Hose connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 55.5 | 22 | 23.5 | 25 | 13 | 9 | 134 | ESHTE 13 TL90 | ESHTE 13 TL90AB |

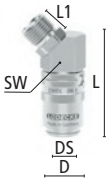
**Couplings with male thread**

**Couplings with straight male long thread without/with valve (inner cone DIN 3863)**

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m | 56 | 22 | 23.5 | 12.5 | 13 | 9 | 95 | ESHTE38AL | ESHTE38ALAB |
| M 16x1.5 m | 56 | 22 | 23.5 | 12.5 | 13 | 9 | 94 | ESHTE1615AL | ESHTE1615ALAB |

**Couplings with 45° male long thread without/with valve (inner cone DIN 3863)**

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m | 55.5 | 22 | 23.5 | 12.5 | 13 | 9 | 131 | ESHTE38AL45 | ESHTE38AL45AB |
| M 16x1.5 m | 55.5 | 22 | 23.5 | 12.5 | 13 | 9 | 129 | ESHTE1615AL45 | ESHTE1615AL45AB |




**Couplings with 90° male long thread without/with valve (inner cone DIN 3863)**

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m | 55.5 | 22 | 23.5 | 12.5 | 13 | 9 | 131 | ESHTE38AL90 | ESHTE38AL90AB |
| M 16x1.5 m | 55.5 | 22 | 23.5 | 12.5 | 13 | 9 | 129 | ESHTE1615AL90 | ESHTE1615AL90AB |

Other sizes on request

*subject to media (oil: 200°C, water: 160°C, air: 200°C)

NEW!

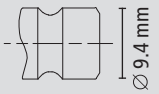
# Temperature Regulation Quick Connect Couplings

## Series ESDMT plug size 9.4 mm – High Resistant Special Brass

with Automatic Locking Mechanism

**DN 6**

- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of high resistant special brass
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off valves
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications




Plug Profile (original size)

Temp Secure by LUDECKE

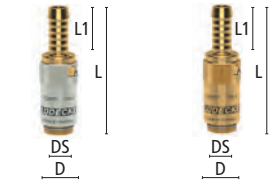
PATENTED • PATENTED

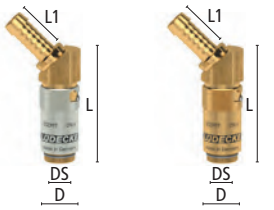
International Plug Profile

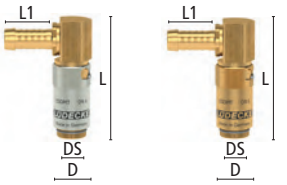
### Materials

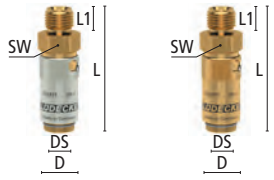
- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring

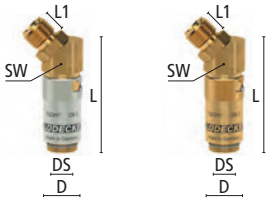
| Max. Working Pressure | Temperature | DN | Thread | Operation | Type of valve | Media | |
|---|---|---|---|---|---|---|---|
| PN 15 bar | -20°C – +200°C* | 6 | ISO 228/ DIN 13 | One-hand | single/double/straight-thr. | Tempered media | 5 |

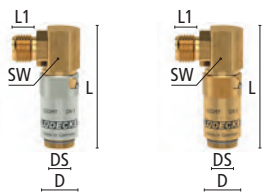



### Couplings with hose connection

#### Couplings with straight standard hose stem without/with valve

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 9 | 60 | 18 | 22.5 | 9.4 | 6 | 55 | ESDMT 9 TL | ESDMT 9 TLAB |

#### Couplings with 45° standard hose stem without/with valve

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 9 | 51 | 18 | 22.5 | 9.4 | 6 | 78 | ESDMT 9 TL45 | ESDMT 9 TL45AB |

#### Couplings with 90° standard hose stem without/with valve

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 9 | 55 | 18 | 22.5 | 9.4 | 6 | 87 | ESDMT 9 TL90 | ESDMT 9 TL90AB |

### Couplings with male thread

#### Couplings with straight male long thread without/with valve (inner cone DIN 3863)

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 1/4 m | 55.5 | 17 | 18 | 11 | 9.4 | 6 | 69 | ESDMT14AL | ESDMT14ALAB |
| M 14x1.5 m | 55.5 | 17 | 18 | 11 | 9.4 | 6 | 70 | ESDMT1415AL | ESDMT1415ALAB |

#### Couplings with 45° male long thread without with valve (inner cone DIN 3863)

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 1/4 m | 51 | 17 | 18 | 11 | 9.4 | 6 | 81 | ESDMT14AL45 | ESDMT14AL45AB |
| M 14x1.5 m | 51 | 17 | 18 | 11 | 9.4 | 6 | 82 | ESDMT1415AL45 | ESDMT1415AL45AB |

#### Couplings with 90° male long thread without/with valve (inner cone DIN 3863)

| Thread connection | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 1/4 m | 55 | 17 | 18 | 11 | 9.4 | 6 | 90 | ESDMT14AL90 | ESDMT14AL90AB |
| M 14x1.5 m | 55 | 17 | 18 | 11 | 9.4 | 6 | 91 | ESDMT1415AL90 | ESDMT1415AL90AB |

other sizes on request

*subject to media (oil: 200°C, water: 160°C, air: 200°C)

NEW!

# Temperature Regulation Quick Connect Couplings

## plug size 13.5 mm – High Resistant Special Brass Series ESDT

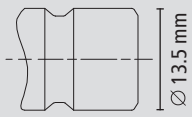
### with Automatic Locking Mechanism

**DN 9**

- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of high resistant special brass
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off valves
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

**Materials**

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring



Plug Profile (original size)

| Max. Working Pressure | Temperature | DN | Thread | Operation | Type of valve | Media | |
|---|---|---|---|---|---|---|---|
| PN 15 bar | -20°C – +200°C* | 9 | ISO 288/ DIN 13 | One-hand | single/double/straight-thr. | Tempered media | 5 |

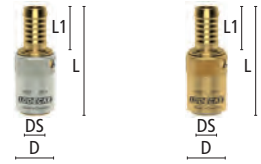
Temp Secure by LÜDECKE — PATENTED PATENTED

International Plug Profile

**Couplings with hose connection**

**Couplings with straight standard hose stem without/with valve**

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 64.5 | 24 | 25 | 13.5 | 9 | 94 | ESDT 13 TL | ESDT 13 TLAB |




**Couplings with 45° standard hose stem without/with valve**

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 57 | 24 | 25 | 13.5 | 9 | 147 | ESDT 13 TL45 | ESDT 13 TL45AB |

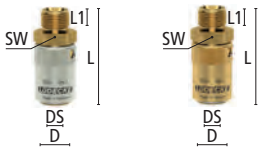
**Couplings with 90° standard hose stem without/with valve**

| Hose connection | L | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 57 | 24 | 25 | 13.5 | 9 | 149 | ESDT 13 TL90 | ESDT 13 TL90AB |

**Couplings with male thread**

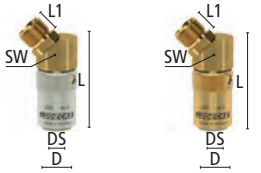
**Couplings with straight male long thread without/with valve (inner cone DIN 3863)**

| Thread connect. | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m | 57.5 | 22 | 24 | 12.5 | 13.5 | 9 | 108 | ESDT38AL | ESDT38ALAB |
| M 16x1.5 m | 57.5 | 22 | 24 | 12.5 | 13.5 | 9 | 107 | ESDT1615AL | ESDT1615ALAB |



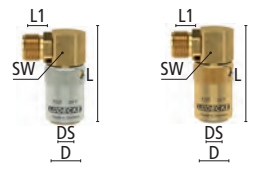

**Couplings with 45° male long thread without/with valve (inner cone DIN 3863)**

| Thread connect. | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m | 57 | 22 | 24 | 12.5 | 13.5 | 9 | 144 | ESDT38AL45 | ESDT38AL45AB |
| M 16x1.5 m | 57 | 22 | 24 | 12.5 | 13.5 | 9 | 140 | ESDT1615AL45 | ESDT1615AL45AB |




**Couplings with 90° male long thread without/with valve (inner cone DIN 3863)**

| Thread connect. | L | SW | D | L1 | DS | Passage | Weight | Type No. w/o valve | Type No. w valve |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m | 57 | 22 | 24 | 12.5 | 13.5 | 9 | 146 | ESDT38AL90 | ESDT38AL90AB |
| M 16x1.5 m | 57 | 22 | 24 | 12.5 | 13.5 | 9 | 143 | ESDT1615AL90 | ESDT1615AL90AB |




Other types / sizes on request!

*subject to media (oil: 200°C, water: 160°C, air: 200°C)

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