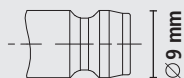


# Temperature Regulation Quick Connect Couplings

## Series ESHMT Plug size 9 mm - with Automatic Locking Mechanism

### DN 6

Plug Profile (original size)



Also in Stainless Steel  
Series ESHMTE  
Page 316

European  
Plug Profile

- One-hand quick connect couplings with small dimensions and 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
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optional with straight-through, single or double shut-off valves
- To be coupled with plug Series ESHM DN 6 (page 152)
- Versions with additional O-ring sealing at connection port to prevent leakage in high-temperature applications

### Materials

- Body, valve body, valve: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Plug: Brass MS 58 plain/ nickel-plated
- Balls: Stainless steel 1.4034
- Springs, retaining ring: Stainless steel 1.4310
- Seals: High-Performance FKM

| Max. Working Pressure | Temperature     | DN | Thread          | Operation | Type of valve               | Media          |   |
|-----------------------|-----------------|----|-----------------|-----------|-----------------------------|----------------|---|
| PN 15 bar             | -20°C – +220°C* | 6  | ISO 288/ DIN 13 | One-hand  | single/double/straight-thr. | Tempered media | 5 |

### 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 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           | 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    |
| M 16x1.5 m        | 57 | 19 | 18 | 11 | 9  | 6       | 76     | ESHMT1615AL       | ESHMT1615ALAB    |

### 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       | 85     | ESHMT14AL45       | ESHMT14AL45AB    |
| G 3/8 m           | 52 | 17 | 18 | 11 | 9  | 6       | 101    | ESHMT38AL45       | ESHMT38AL45AB    |
| M 14x1.5 m        | 52 | 17 | 18 | 11 | 9  | 6       | 87     | ESHMT1415AL45     | ESHMT1415AL45AB  |
| M 16x1.5 m        | 52 | 17 | 18 | 11 | 9  | 6       | 87     | ESHMT1615AL45     | ESHMT1615AL45AB  |

### 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           | 52 | 17 | 18 | 11 | 9  | 6       | 94     | ESHMT14AL90       | ESHMT14AL90AB    |
| G 3/8 m           | 52 | 17 | 18 | 11 | 9  | 6       | 100    | ESHMT38AL90       | ESHMT38AL90AB    |
| M 14x1.5 m        | 52 | 17 | 18 | 11 | 9  | 6       | 96     | ESHMT1415AL90     | ESHMT1415AL90AB  |
| M 16x1.5 m        | 52 | 17 | 18 | 11 | 9  | 6       | 96     | ESHMT1615AL90     | ESHMT1615AL90AB  |

Other types/ sizes on request

\*subject to media (oil: 220°C, water: 180°C, air: 220°C)

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Secure**  
by LUDECKE

