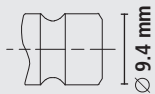


Temperature Regulation Quick Connect Couplings

Series ESDMT Plug size 9.4 mm – with Automatic Locking Mechanism

DN 6

Plug Profile (original size)



International 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 ESDM DN 6 (page 168)
- Versions with additional O-ring sealing at connection port to prevent leakage with 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
- Springs, retaining ring: Stainless steel 1.4310 • Balls: Stainless steel 1.4034 • Seals: High-Performance FKM

| Max. Working Pressure | Temperature | DN | Thread | Operation | Type of valve | Media | |
|-----------------------|-----------------|----|-----------------|-----------|-----------------------------|----------------|---|
| PN 15 bar | -20°C – +220°C* | 6 | ISO 228/ DIN 13 | One-hand | Single/double/straight-thr. | Tempered media | 5 |

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 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 types/ sizes on request

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