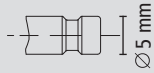


# Micro Quick Connect Couplings

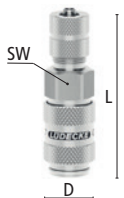
## Series ESMCE single shut-off

**DN2.7**



Plug Profile (original size)

**Clean Connect**  
by LUDECKE



- High quality one-hand quick connect couplings with smallest dimensions made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Several fields of application, above all for liquid media in pharmacy, medical industry, chemical industry, food & beverage applications, clean-room applications, for high quality measure, control and regulation technique or hygienic requirements
- Maximum working temperature subject to the chosen media and sealing material

### Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +150°C	2.7	ISO 228 / DIN 13	165 l/min	One-hand	Single shut-off	different	Europe	Coupl. 1/ Plug 5

### Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 m	26	9	10.5	5	9	ESMCE 5 A
G 1/8 m	28	11	10.5	7	12	ESMCE 18 A

### Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 f	25	9	10.5	5	10	ESMCE 5 I
G 1/8 f	28	12	10.5	7	14	ESMCE 18 I

### Couplings with Hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 3	34.5	10.5	13	9	ESMCE 3 T
Hose i.D. 4	34.5	10.5	13	10	ESMCE 4 T
Hose i.D. 5	34.5	10.5	13	10	ESMCE 5 T

For hose clips type HSE (© page 416)

### Couplings with hose squeeze nut

Hose connection	L	SW	D	Weight	Type No.
Hose 3x4	34	9	10.5	15	ESMCE 34 TQ
Hose 3x5	34	9	10.5	15	ESMCE 3 TQ
Hose 4x6	34	9	10.5	15	ESMCE 4 TQ

### Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	G	Weight	Type No.
Hose 3x4	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 34 TQSV
Hose 3x5	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 35 TQSV
Hose 4x6	45	12	10.5	17	12	M 8x0.5 m	26	ESMCE 4 TQSV

### Couplings with bulkhead screwing

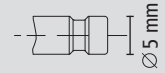
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 3 TSV
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 4 TSV
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCE 5 TSV

For hose clips type HSE (© page 416)

# Micro Quick Connect Couplings

## single shut-off Series ESMCE

**DN2.7**



Plug Profile (original size)

### Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 m	18	7	5	10	3	ESMCE 5 NA
G 1/8 m	20	11	7	10	6	ESMCE 18 NA

### Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 f	17	7	5	10	3	ESMCE 5 NI
G 1/8 f	19	12	7	10	6	ESMCE 18 NI

### Plugs with hose stem

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 3	24	7	13	10	2	ESMCE 3 S
Hose i.D. 4	24	7	13	10	3	ESMCE 4 S
Hose i.D. 5	24	9	13	10	3	ESMCE 5 S

For hose clips type HSE (© page 416)

### Plugs with hose squeeze nut

Hose connection	L	SW	L1	Weight	Type No.
Hose 3x4	25	8	10	12	ESMCE 34 SQ
Hose 3x5	25	8	10	12	ESMCE 3 SQ
Hose 4x6	25	8	10	12	ESMCE 4 SQ

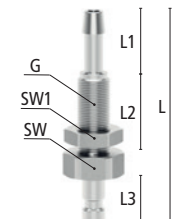
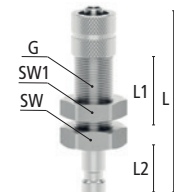
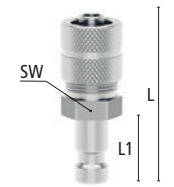
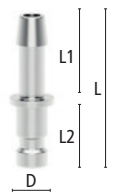
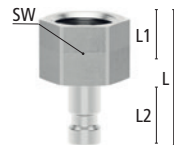
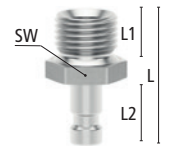
### Plugs with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	G	Weight	Type No.
Hose 3x4	38	12	17	10	11	M 7x0.5 m	23	ESMCE 34 SQSV
Hose 3x5	38	12	17	10	11	M 7x0.5 m	23	ESMCE 35 SQSV
Hose 4x6	38	12	17	10	12	M 8x0.5 m	23	ESMCE 4 SQSV

### Plugs with bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 3	45	12	13	17	10	11	M 7x0.5 m	21	ESMCE 3 SSV
Hose i.D. 4	45	12	13	17	10	11	M 7x0.5 m	21	ESMCE 4 SSV
Hose i.D. 5	45	12	13	17	10	12	M 8x0.5 m	21	ESMCE 5 SSV

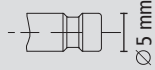
For hose clips type HSE (© page 416)



# Micro Quick Connect Couplings

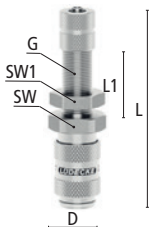
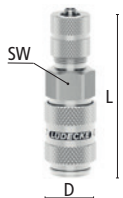
## Series ESMCE double shut-off

**DN 2.7**



Plug Profile (original size)

**Clean**  
Connect  
by LUDECKE



- High quality one-hand quick connect couplings with smallest dimensions made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Double shut-off to avoid the escape of media when disconnecting. Robust, safe and reliable.
- Attention: Couplings can be connected with straight-through plugs DN 2.7, but shut-off plugs cannot be connected with standard couplings DN 2.7
- Several fields of application, above all for liquid media in pharmacy, medical industry, chemical industry, food & beverage applications, clean-room applications, for high quality measure, control and regulation technique or hygienic requirements
- Maximum working temperature subject to the chosen media and sealing material

### Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- O-rings: FKM (EPDM or FFKM on request)
- Balls: Stainless steel 1.3541

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +150°C	2.7	ISO 228 / DIN 13	150 L/min	One-hand	Double shut-off	different	Europe	Coupl. 1/ Plug 5

### Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 m	26	9	10.5	5	9	ESMCE 5 AAB
G 1/8 m	28	11	10.5	7	12	ESMCE 18 AAB

### Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 f	25	9	10.5	5	10	ESMCE 5 IAB
G 1/8 f	28	12	10.5	7	14	ESMCE 18 IAB

### Couplings with hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 3	34.5	10.5	13	9	ESMCE 3 TAB
Hose i.D. 4	34.5	10.5	13	10	ESMCE 4 TAB
Hose i.D. 5	34.5	10.5	13	10	ESMCE 5 TAB

For hose clips type HSE (© page 416)

### Couplings with hose squeeze nut

Hose connection	L	SW	D	Weight	Type No.
Hose 3x4	34	9	10.5	15	ESMCE 34 TQAB
Hose 3x5	34	9	10.5	15	ESMCE 3 TQAB
Hose 4x6	34	9	10.5	15	ESMCE 4 TQAB

### Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	G	Weight	Type No.
Hose 3x4	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 34 TQSVAB
Hose 3x5	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 35 TQSVAB
Hose 4x6	45	12	10.5	17	12	M 8x0.5 m	26	ESMCE 4 TQSVAB

### Couplings with bulkhead screwing

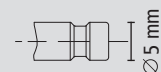
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 3 TSVAB
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 4 TSVAB
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCE 5 TSVAB

For hose clips type HSE (© page 416)

# Micro Quick Connect Couplings

## double shut-off Series ESMCE

**DN2.7**



Plug Profile (original size)

### Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 m	28	9	5	10	10	ESMCE 5 NAAB
G 1/8 m	30	11	7	10	12	ESMCE 18 NAAB

### Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 f	26.5	9	5	10	11	ESMCE 5 NIAB
G 1/8 f	30	12	7	10	14	ESMCE 18 NIAB

### Plugs with hose stem

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 3	36.5	9	13	10	9	ESMCE 3 SAB
Hose i.D. 4	36.5	9	13	10	10	ESMCE 4 SAB
Hose i.D. 5	36.5	9	13	10	10	ESMCE 5 SAB

For hose clips type HSE (☺ page 416)

### Plugs with hose squeeze nut

Hose connection	L	SW	L1	Weight	Type No.
Hose 3x4	36	9	10	10	ESMCE 34 SQAB
Hose 3x5	36	9	10	10	ESMCE 3 SQAB
Hose 4x6	36	9	10	11	ESMCE 4 SQAB

### Plugs with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	G	Weight	Type No.
Hose 3x4	47	12	17	10	11	M 7x0.5 m	13	ESMCE 34 SQSVAB
Hose 3x5	47	12	17	10	11	M 7x0.5 m	13	ESMCE 35 SQSVAB
Hose 4x6	47	12	17	10	12	M 8x0.5 m	17	ESMCE 4 SQSVAB

### Plugs with bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 3	53	12	13	17	10	11	M 7x0.5 m	14	ESMCE 3 SSVAB
Hose i.D. 4	53	12	13	17	10	11	M 7x0.5 m	14	ESMCE 4 SSVAB
Hose i.D. 5	53	12	13	17	10	12	M 8x0.5 m	16	ESMCE 5 SSVAB

For hose clips type HSE (☺ page 416)

