

Breathing Air Couplings

with Two-Hand Operation - single shut-off **Series ESI2A**

- Top-quality, extreme robust one-hand quick connect couplings with high-class sealing made of brass MS 58 nickel-plated
- To disconnect, push the plug into the coupling, only then the unlocking mechanism will work, this guarantees effective protection against accidental disconnection
- Coupling „ESI2A“ cannot be combined with plug „ESI1A“, plug „ESI2A“ can be combined with coupling „ESI1A“
- High flow rates with low pressure drop due to patented OptiFlow by **LUDECKE**® valve technology
- Special versions, e.g. straight-through or double shut-off valve on request

Materials

- Body, sleeve, valve body, plug: Brass MS 58 nickel-plated
- Valve: Brass MS 58 plain
- Seals: NBR (other materials on request)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.4	ISO 228 / DIN EN 10226	1800 l/min	Two-hand	Single Shut-off	Compr. Air	Europe	Coupl. 5 / Plug 10

Couplings with tapered male thread (thread coated) – long version

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	64	19	23	11	114	ESI2A 14 A
R 3/8 m	65	19	23	12	117	ESI2A 38 A
R 1/2 m	68	22	23	15	144	ESI2A 12 A

Couplings with parallel female thread – long version

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	60	19	23	10	118	ESI2A 14 I
G 3/8 f	60	19	23	10	111	ESI2A 38 I
G 1/2 f	62	24	23	12	146	ESI2A 12 I

Couplings with hose barb – long version

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	77	19	23	25	108	ESI2A 6 T
Hose i.D. 8	77	19	23	25	110	ESI2A 8 T
Hose i.D. 9	77	19	23	25	108	ESI2A 9 T
Hose i.D. 10	77	19	23	25	112	ESI2A 10 T
Hose i.D. 13	77	19	23	25	118	ESI2A 13 T

For hose clips type ZOS (☺ page 130), type HS (☺ page 131) or crimping ferrules type LPH (☺ page 133)

Plugs with tapered male thread (thread coated) – long version

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/4 m	40	14	11	25	24	ESI2A 14 NA
R 3/8 m	42	17	12	25	29	ESI2A 38 NA
R 1/2 m	45	22	15	25	62	ESI2A 12 NA

Plugs with parallel female thread – long version

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	38	17	10	25	29	ESI2A 14 NI
G 3/8 f	38	19	10	25	29	ESI2A 38 NI
G 1/2 f	40	24	12	25	44	ESI2A 12 NI

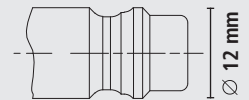
Plugs with hose barb – long version

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	51	12	25	25	17	ESI2A 6 S
Hose i.D. 8	51	12	25	25	19	ESI2A 8 S
Hose i.D. 9	51	12	25	25	19	ESI2A 9 S
Hose i.D. 10	51	12	25	25	22	ESI2A 10 S
Hose i.D. 13	53	15	25	25	30	ESI2A 13 S

Versions in stainless steel 1.4305 on request.

DN 7.4

Plug Profile (original size)



According to
DIN EN 14594



OptiFlow
by **LUDECKE**

