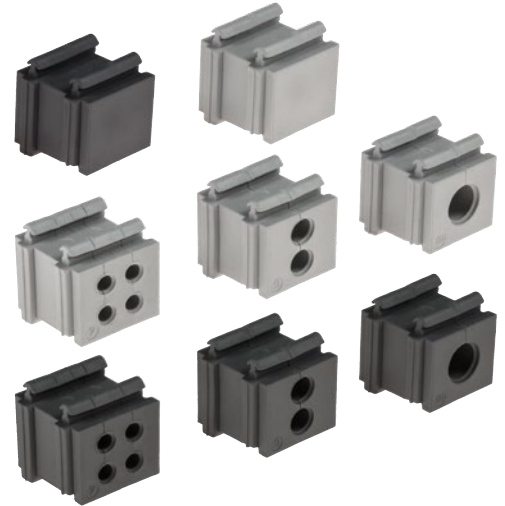


Model	Code	Ø Cable [mm]	Model	Code	Pcs /pack
SPP 0G	1731020100	„blind“	SPP 0B	1731020200	10
SPP 2G	1731020102	2-3	SPP 2B	1731020202	
SPP 3G	1731020103	3-4	SPP 3B	1731020203	
SPP 4G	1731020104	4-5	SPP 4B	1731020204	
SPP 5G	1731020105	5-6	SPP 5B	1731020205	
SPP 6G	1731020106	6-7	SPP 6B	1731020206	
SPP 7G	1731020107	7-8	SPP 7B	1731020207	
SPP 8G	1731020108	8-9	SPP 8B	1731020208	
SPP 9G	1731020109	9-10	SPP 9B	1731020209	
SPP 10G	1731020110	10-11	SPP 10B	1731020210	
SPP 11G	1731020111	11-12	SPP 11B	1731020211	
SPP 12G	1731020112	12-13	SPP 12B	1731020212	
SPP 13G	1731020113	13-14	SPP 13B	1731020213	
SPP 14G	1731020114	14-15	SPP 14B	1731020214	
SPP 15G	1731020115	15-16	SPP 15B	1731020215	
SPP 16G	1731020116	16-17	SPP 16B	1731020216	
SPP 2x2G	1731020304	2 x 2	SPP 2x2B	1731020404	10
SPP 2x3G	1731020306	2 x 3	SPP 2x3B	1731020406	
SPP 2x4G	1731020308	2 x 4	SPP 2x4B	1731020408	
SPP 2x5G	1731020310	2 x 5	SPP 2x5B	1731020410	
SPP 2x6G	1731020312	2 x 6	SPP 2x6B	1731020412	
SPP 2x7G	1731020314	2 x 7	SPP 2x7B	1731020414	
SPP 2x8G	1731020316	2 x 8	SPP 2x8B	1731020416	
SPP 4x2G	1731020318	4 x 2	SPP 4x2B	1731020418	10
SPP 4x3G	1731020320	4 x 3	SPP 4x3B	1731020420	
SPP 4x4G	1731020322	4 x 4	SPP 4x4B	1731020422	
SPP 4x5G	1731020324	4 x 5	SPP 4x5B	1731020424	
SPP 4x6G	1731020326	4 x 6	SPP 4x6B	1731020426	

DES inserts - small: single, double and quadruple

- ▶ Inserts for pre-terminated cables from 2 to 16 mm in diameter
- ▶ “Blind” version available
- ▶ Grey and black colours available
- ▶ UL94V0 for both colours



The SPP inserts enable several cables from 2 to 16mm diameter to be installed in the DES splittable frame.

The 2X and 4X versions allow multiple cables in the same grommet.

Technical data

Material: TPE

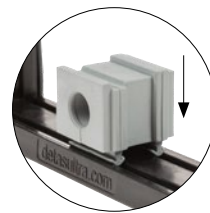
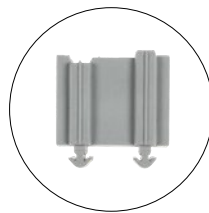
Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

Features: halogens and silicones free

Related products

DES 24	DES L5	DESPRED
DES 24-90	DES L4	DESPRED 90
DES 16	DES L3	DESLCLICK
DES 10	DES L2	DESLCLICK 50
DES Q		



Model	Code	Ø Cable [mm]	Model	Code	Pcs /pack
SPG 0G	1731022000	„blind“	SPG 0B	1731022020	
SPG K0G	1731022300	„blind“ pierceable Ø max. 32	SPG K0B	1731022400	
SPG 17G	1731022117	17-18	SPG 17B	1731022217	
SPG 18G	1731022118	18-19	SPG 18B	1731022218	
SPG 19G	1731022119	19-20	SPG 19B	1731022219	
SPG 20G	1731022120	20-21	SPG 20B	1731022220	
SPG 21G	1731022121	21-22	SPG 21B	1731022221	
SPG 22G	1731022122	22-23	SPG 22B	1731022222	
SPG 23G	1731022123	23-24	SPG 23B	1731022223	
SPG 24G	1731022124	24-25	SPG 24B	1731022224	
SPG 25G	1731022125	25-26	SPG 25B	1731022225	
SPG 26G	1731022126	26-27	SPG 26B	1731022226	
SPG 27G	1731022127	27-28	SPG 27B	1731022227	
SPG 28G	1731022128	28-29	SPG 28B	1731022228	
SPG 29G	1731022129	29-30	SPG 29B	1731022229	
SPG 30G	1731022130	30-31	SPG 30B	1731022230	
SPG 31G	1731022131	31-32	SPG 31B	1731022231	
SPG 32G	1731022132	32-33	SPG32B	1731022232	
SPG 33G	1731022133	33-34	SPG33B	1731022233	
SPG 34G	1731022134	34-35	SPG34B	1731022234	

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DES insert - large

- ▶ SPG: inserts for **pre-terminated cables** from 17 to 35 mm diameter
- ▶ SPG K0: blind (pierceable) version
- ▶ 2 blind version available
- ▶ Specially designed for corrugated tubes
- ▶ UL94V0 for both colours, grey and black



SPG K0



The SPG inserts enable several cables and corrugated tubes from 17 to 35 mm diameter to be installed in the DES splittable frames.

Technical data

Material: TPE

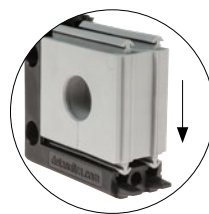
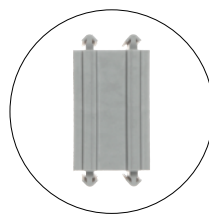
Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

Features: halogens and silicones free

Related products

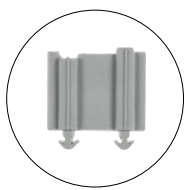
- DES 24 DES Q
- DES 24-90 DESPRED 63
- DES 16 DESPRED 90
- DES 10 DESCLICK 50



Model	Code	Ø Cable min/max [mm]	Model	Code	Pcs /pack
SPP K0G	1731021100	„blind“	SPP K0B	1731023100	10
SPP K1G	1731021110	2.5/7	SPP K1B	1731023110	
SPP K2G	1731021115	4,5/10	SPP K2B	1731023115	
SPP K3G	1731021120	7.5/12.5	SPP K3B	1731023120	
SPP K4G	1731021125	9/14	SPP K4B	1731023125	

DES inserts with extended range - for cable without connectors

- ▶ Extended range inserts for **non-terminated cables**
- ▶ Diameters from 2.5 to 14 mm
- ▶ “Blind” insert pierceable available
- ▶ Grey and black colours available
- ▶ UL94V0 for both colours



Double membrane



The SPP K inserts have a dual function: they can be used as “blind” inserts for future application of single cable without connector. The cable size can be chosen between 4 solutions from 2.5 a 14 mm diameter.

The double membrane ensures the highest water and dust protection.

Technical data

Material: TPE

Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

Features: halogens and silicones free

Related products

DES 24 DES L5 DESPRED
DES 24-90 DES L4 DESPRED 90
DES 16 DES L3 DESCLICK
DES 10 DES L2 DESCLICK 50
DES Q



The SPP M inserts have a dual function: they can be used as “blind” inserts for future application of cables without connector.

The double membrane ensures the highest water and dust protection.

SPP M

Model	Code	Cable nr. - Ø cables [mm]	Model	Code	Pcs /pack
SPP M4G	1731020504	4 – max. 6	SPP M4B	1731020604	10
SPP M4bG	1731020505	2 – max. 3 2 – max. 7	SPP M4bB	1731020605	



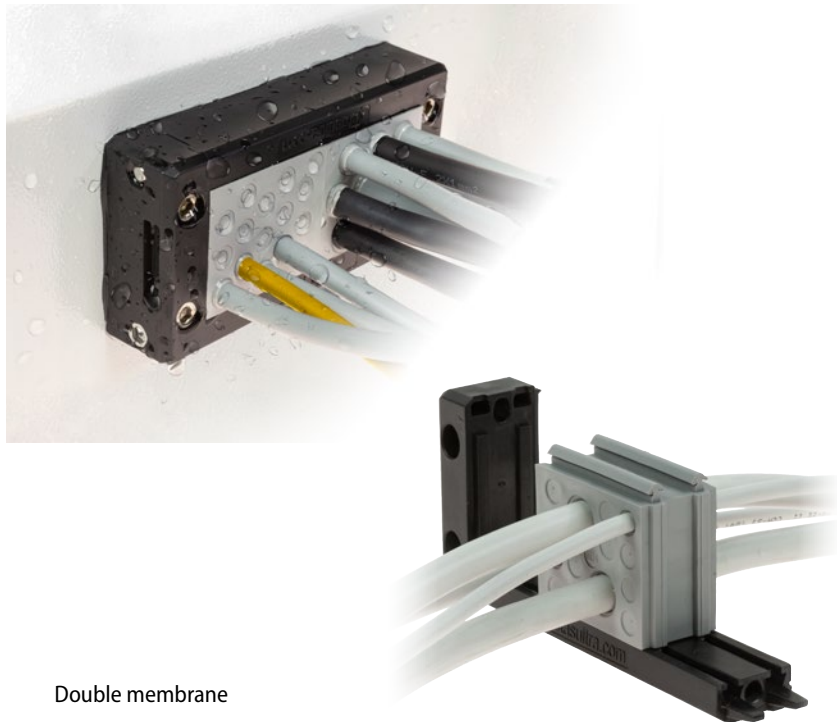
Double membrane



Model	Code	Color	Cable nr. - Ø cables [mm]	Pcs /pack
SPG M7G	1731022307	Grey	4 - max. 13,5 2 - max. 5 1 - max. 9,5	10
SPG M7B	1731022407	Black		
SPG M9G	1731022309	Grey	9 - max. 8,8	
SPG M9B	1731022409	Black		
SPG M14G	1731022314	Grey	12 - max. 6,5 2 - max. 12	
SPG M14B	1731022414	Black		
SPG M15G	1731022315	Grey	15 - max. 7	
SPG M15B	1731022415	Black		

DES insert - large for cables without connectors - double membrane

- ▶ For high number of **non-terminated cables**
- ▶ Grey and black colours available
- ▶ UL94V0 for both colours



The SPG M and SPP M inserts enable a high number of cables to be installed in the DES splittable frames.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid resistance.

Technical data

Material: TPE

Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

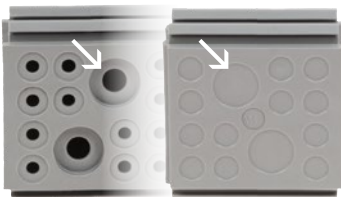
Features: halogens and silicones free



Related products

- | | |
|-----------|------------|
| DES 24 | DES Q |
| DES 24-90 | DESPRED 63 |
| DES 16 | DESPRED 90 |
| DES 10 | DESLICK 50 |

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Double membrane



Model	Code	Thread	Model	Code	Pz /pack
					
SPP F8G	1731020708	M8x0,5	SPP F8B	1731020709	10
SPP F12G	1731020712	M12	SPP F12B	1731020713	10

Small inserts with threaded inserts M8 and M12



Technical data

Material: TPE, brass insert

Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

Features: halogens and silicones free

Related products

DES 24 DES L5 DESPREL
 DES 24-90 DES L4 DESPREL 90
 DES 16 DES L3 DESCLICK
 DES 10 DES L2 DESCLICK 50
 DES Q

The SPP F Series integrate metric threads and are used as terminals for sensors, pneumatic, etc.. They are available for M8 or M12 connectors, other models on request.

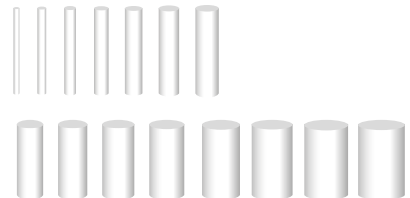


Model	Code	Ø Diameter [mm]	Length [mm]	Pcs /pack
ISP 2	1731040002	2	30	20
ISP 3	1731040003	3		
ISP 4	1731040004	4		
ISP 5	1731040005	5		
ISP 6	1731040006	6		
ISP 7	1731040007	7		
ISP 8	1731040008	8		
ISP 9	1731040009	9		
ISP 10	1731040010	10		
ISP 11	1731040011	11		
ISP 12	1731040012	12		
ISP 13	1731040013	13		
ISP 14	1731040014	14		
ISP 15	1731040015	15		
ISP 16	1731040016	16		

ISP

Plugs for SPP series

► Plastic plugs for SPP inserts, from 2 to 16 mm in diameter



The ISP plugs fit perfectly into the SPP insert hole restoring the water protection property of the DES splittable frames. These plugs range from 2 to 16mm in diameter.

Technical data

Material: PA

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +155°C (static)

Features: halogens and silicones free

Related products

SPP SPP 2x SPP 4x

