- Ex d and Ex e cable entry for unarmoured cables and cables with wire-braid armouring
- More safety: sealing of the outer cable sheath, flood seal, designed to prevent cold flow
- Worldwide certification in accordance with IECEx, ATEX and CSA

MY R. STAHL **A2FA**

A2F series metal Ex d and Ex e cable entries are designed for unarmoured cables and cables with wire-braid armouring. The flood seal with integral protection and sealing for the outer cable sheath provided by an explosion-protected displacement seal ensure added safety. And because they are designed to prevent cold flow, safety is improved even further. They have worldwide certification according to IECEx, ATEX and CSA.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•	•	•	•

Selection Table

Thread standard Material		Metric Nickel-plated brass						
Gland size	Thread size	Inner sheath	Width across flats	Width across corners	Protrusion length	PVC boot	Art. No.	Weight
20	M20	6.5 … 14 mm	27 mm	29.7 mm	27.2 mm	PVC05	243464	60 g
20s	M20	6.1 … 11.7 mm	24 mm	26.4 mm	25.1 mm	PVC04	243463	60 g
20s/16	M20	3.2 … 8.7 mm	24 mm	26.4 mm	25.1 mm	PVC04	243462	70 g
25	M25	11.1 … 20 mm	36 mm	39.6 mm	35.5 mm	PVC09	107642	115 g
32	M32	17 … 26.3 mm	41 mm	45.1 mm	34.2 mm	PVC10	243465	150 g
40	M40	23.5 … 32.2 mm	50 mm	55 mm	35.1 mm	PVC13	107730	200 g
50	M50	35.6 … 44 mm	55 mm	66 mm	36.3 mm	PVC18	107801	270 g
50s	M50	31 … 38.2 mm	60 mm	60.5 mm	32 mm	PVC15	107767	260 g
63	M63	47.2 … 55.9 mm	75 mm	82.5 mm	35.8 mm	PVC23	243467	400 g
63s	M63	41.5 … 49.9 mm	70.5 mm	77.6 mm	33.5 mm	PVC21	243466	430 g
75	M75	61.1 … 67.9 mm	84 mm	92.4 mm	40.6 mm	PVC26	109035	500 g
75s	M75	54 … 61.9 mm	80 mm	88 mm	34.2 mm	PVC24	107895	520 g
Thread standard Material		Metric Stainless steel						
Gland size	Thread size	Inner sheath	Width across flats	Width across corners	Protrusion length	PVC boot	Art. No.	Weight
20	M20	6.5 … 14 mm	27 mm	29.7 mm	27.2 mm	PVC05	221749	70 g
20s	M20	6.1 … 11.7 mm	24 mm	26.4 mm	25.1 mm	PVC04	168142	60 g
20s/16	M20	3.2 … 8.7 mm	24 mm	26.4 mm	25.1 mm	PVC04	107538	70 g
25	M25	11.1 … 20 mm	36 mm	39.6 mm	35.5 mm	PVC09	243468	123 g
32	M32	17 … 26.3 mm	41 mm	45.1 mm	34.2 mm	PVC10	168145	150 g

Cable Glands Ex e & Ex d & Ex nR & Ex ta

Series A2F for Unarmoured Cables

Selection Table

Thread standard Material		Metric Stainless steel						
Gland size	Thread size	Inner sheath	Width across flats	Width across corners	Protrusion length	PVC boot	Art. No.	Weight
40	M40	23.5 … 32.2 mm	50 mm	55 mm	35.1 mm	PVC13	168146	200 g
50	M50	35.6 … 44 mm	60 mm	66 mm	36.3 mm	PVC18	168148	270 g
50s	M50	31 … 38.2 mm	55 mm	60.5 mm	32 mm	PVC15	243469	246 g
63	M63	47.2 … 55.9 mm	75 mm	82.5 mm	35.8 mm	PVC23	243481	378 g
63s	M63	41.5 … 49.9 mm	70.5 mm	77.6 mm	33.5 mm	PVC21	243470	406 g
75	M75	61.1 … 67.9 mm	84 mm	92.4 mm	40.6 mm	PVC26	246269	472 g
75s	M75	54 … 61.9 mm	80 mm	88 mm	34.2 mm	PVC24	246268	491 g
Thread standard Material		NPT Nickel-plated brass						
Gland size	Thread size	Inner sheath	Width across flats	Width across corners	Protrusion length	PVC boot	Art. No.	Weight
20	NPT1/2	6.5 … 14 mm	27 mm	29.7 mm	27.2 mm	PVC05	246228	70 g
20s	NPT1/2	6.1 … 11.7 mm	24 mm	26.4 mm	25.1 mm	PVC04	246227	60 g
20s/16	NPT1/2	3.2 … 8.7 mm	24 mm	26.4 mm	25.1 mm	PVC04	246226	70 g
25	NPT3/4	11.1 … 20 mm	36 mm	39.6 mm	35.5 mm	PVC09	246229	130 g
32	NPT1	17 … 26.3 mm	41 mm	45.1 mm	34.2 mm	PVC10	246230	150 g
40	NPT1-1/4	23.5 … 32.2 mm	50 mm	55 mm	35.1 mm	PVC13	246261	200 g
50	NPT2	35.6 … 44 mm	60 mm	66 mm	36.3 mm	PVC18	246263	270 g
50s	NPT1-1/2	31 … 38.2 mm	55 mm	60.5 mm	32 mm	PVC15	246262	260 g
63	NPT2-1/2	47.2 … 55.9 mm	75 mm	82.5 mm	35.8 mm	PVC23	246265	400 g
63s	NPT2	41.5 … 49.9 mm	70.5 mm	77.6 mm	33.5 mm	PVC21	246264	430 g
Thread standard Material		NPT Stainless steel						
Gland size	Thread size	Inner sheath	Width across flats	Width across corners	Protrusion length	PVC boot	Art. No.	Weight
20	NPT1/2	6.5 … 14 mm	27 mm	29.7 mm	27.2 mm	PVC05	246272	66 g
20s	NPT1/2	6.1 … 11.7 mm	24 mm	26.4 mm	25.1 mm	PVC04	246271	57 g
20s/16	NPT1/2	3.2 … 8.7 mm	24 mm	26.4 mm	25.1 mm	PVC04	246270	66 g
25	NPT3/4	11.1 … 20 mm	36 mm	39.6 mm	35.5 mm	PVC09	246273	123 g
32	NPT1	17 … 26.3 mm	41 mm	45.1 mm	34.2 mm	PVC10	246274	142 g
40	NPT1-1/4	23.5 … 32.2 mm	50 mm	55 mm	35.1 mm	PVC13	246275	189 g
50	NPT2	35.6 … 44 mm	60 mm	66 mm	36.3 mm	PVC18	246277	255 g
50s	NPT1-1/2	31 … 38.2 mm	55 mm	60.5 mm	32 mm	PVC15	246276	246 g
63	NPT2-1/2	47.2 … 55.9 mm	75 mm	82.5 mm	35.8 mm	PVC23	246279	378 g
63s	NPT2	41.5 … 49.9 mm	70.5 mm	77.6 mm	33.5 mm	PVC21	246278	406 g

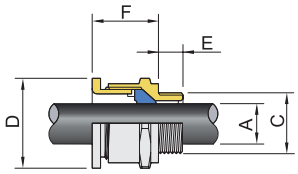
Versions with country code BRA, CHN, UKCA and others available on request.

Technical Data

Explosion Protection	
IECEx gas explosion protection	Ex db IIC Gb
IECEx gas explosion protection 2	Ex eb IIC Gb
IECEx dust explosion protection	Ex ta IIIC Da
IECEx restricted breathing	Ex nR IIC Gc
ATEX gas explosion protection	Ⓔx II 2 G Ex db IIC Gb
ATEX gas explosion protection 2	Ⓔx II 2 G Ex eb IIC Gb

Technical Data	
Explosion Protection	
ATEX dust explosion protection	II 1 D Ex ta IIIC Da
ATEX restricted breathing	II 3 G Ex nR IIC Gc
Notes	The product certification and certificates can be downloaded from the manufacturer's homepage (www.cmp-products.com)
Ex version	Ex e & Ex d & Ex nR & Ex ta
Ambient Conditions	
Ambient temperature	-60 °C ... +130 °C
Mechanical Data	
Strain relief	No
Degree of protection (IP)	IP66
Degree of protection note	IP67 and IP68 mounting in accordance with the specifications of the manufacturer, CMP. The specified degrees of protection are only fulfilled if CMP installation accessories are used.
Sealing material	SOLO LSF
Silicone-free	Yes
Construction type	BS 6121, IEC/EN 62444
Impact strength	20 J

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



A = Inner sheath C = Thread size
D = Width across corners D = Width across flats
E = Thread length F = Protrusion length