

E1FW CABLE GLAND

Suitable for Steel Wire Armoured (SWA) cables



Info

- Flameproof
- Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous Areas
- Restricted Breathing

Application range

- The CMP E1FW Tri-Star Cable Gland is suitable for use with all forms of equipment protection permitted in Zone 1, Zone 2, Zone 21, and Zone 22, provided always that the prevailing code of practice for selection and installation is observed, e.g. IEC 60079-14

Product features

- CMP Type E1FW Tri-Star Triple Certified Flameproof (Type d), Increased Safety (Type e), and Restricted Breathing (Type nR) cable gland for use in Zone 1, Zone 2, Zone 21, and Zone 22 Hazardous Areas with Steel Wire Armour (SWA) cable
- Provides a Flameproof seal on the cable inner bedding
- Gas tight seal has been tested to prove compatibility with Restricted Breathing equipment
- Allows mechanical cable retention and earth continuity via the cable armour termination

Norm references / Approvals

- ATEX Certification: SIRAO6ATEX 1097X Code of Protection Category: ATEX II 2GD/3GD Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66, - Equipment Zone 1, Zone 2, Zone 21, and Zone 22, - Gas Groups IIA, IIB II C, ATEX IM2 Ex d I / Ex e I Compliance Standards: EN 60079-0:2004, EN 60079-1:2004, EN 60079-7:2003, EN 60079-15:2003, EN 61241-0:2004, EN 61241-1:2004

- IECEx Approval Number: IECEx SIR 06.0043X Code of Protection Category: Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66, Ex d I, Ex e I Compliance Standards: IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2001, IEC 60079-15:2005, IEC 61241-0:2004, IEC 61241-1:2004
- GOST R Certificate Number: POCC GB. 05.B01912 Code of Protection Category: Ex d IIC U / Ex e II UGOST Compliance Standards: OCT P 52350.0-2005, OCT P 52350.1-2005, OCT P 52350.7-2005.
- GGTN Permit Number: PPC 00-18262 GOST K Certificate Number: K Z 7500052.05.01.00063 RoK Permit for Use Number: 08-067693
- INMETRO / UC Approval: MC, AEX -7618-X Code of Protection Category: BR-Ex d IIC / BR-Ex e II / IP66W Compliance Standards: IEC 60079-0/00, IEC 60079-1/01, IEC 60079-7/01, and NBR IEC 60529/05

Product Make-up

- E1FW Tri-Star Type
- BS 6121: Part 1: 1989, EN 50262: 1999

Technical data



Classification

ETIM 5.0 Class-Description: Cable screw gland
ETIM 5.0 Class-ID: EC000441



Note

Cable Type: Steel Wire Armour (SWA)
Armour Clamping: Detachable armour cone and anyway universal clamping ring
Sealing Technique: CMP inner displacement and unique CMP LRS™ outer seal - Load Retention Seal
Sealing Areas: Cable inner bedding and cable outer sheath
Optional Accessories: Locknut, Shroud, Entry thread sealing washer, Serrated washer, Earth tag, Adaptot/Reducer



Material

Body: Brass Seal: CMP SOLO LSF Thermoplastic Elastomer



Protection rating

IP66 as standard, IP67 / IP68 available on request. Deluge Proof when fitted with optional CMP O-ring in the cable gland body joint



Temperature range

-60°C up to +130°C

Article number	Article designation / size	Metric	Cable bedding diameter (mm)	Armour range (mm)	Overall cable diameter (mm)	Approx. weight (kg)
E1FW CABLE GLAND						
3804460	20S/16	M20	3.1 - 8.7	0.9 - 1.0	6.1 - 11.5	0.2
3804461	20S	M20	6.1 - 11.7	0.9 - 1.3	9.5 - 15.9	0.2
3804462	20	M20	6.5 - 14.0	0.9 - 1.3	12.5 - 20.9	0.2
3804463	25S	M25	11.1 - 20.0	1.3 - 1.6	14.0 - 22.0	0.3
3804464	25	M25	11.1 - 20.0	1.3 - 1.6	18.2 - 26.2	0.3
3804465	32	M32	17.0 - 26.3	1.6 - 2.0	23.7 - 33.9	0.5
3804466	40	M40	22.0 - 32.2	1.6 - 2.0	27.9 - 40.4	0.7
3804467	50S	M50	29.5 - 38.2	2.0 - 2.5	35.2 - 46.7	0.7
3804468	50	M50	35.6 - 44.1	2.0 - 2.5	40.4 - 53.1	0.7
3804469	63S	M63	40.1 - 50.0	2.0 - 2.5	45.6 - 59.4	1
3804470	63	M63	47.2 - 56.0	2.0 - 2.5	54.6 - 65.9	1
3804471	75S	M75	52.8 - 62.0	2.0 - 2.5	59.0 - 72.1	2
3804472	75	M75	59.1 - 68.0	2.0 - 2.5	66.7 - 78.5	3
3804473	90	M90	66.6 - 80.0	3.2	76.2 - 90.4	4

- If not otherwise specified, all values relating to the product are nominal values. Other value information, such as tolerances, for example, can be obtained on request where available and released for publishing.
- Photographs are not to scale and do not represent detailed images of the respective products.