PXSS2K Series Compound Barrier Type Cable Connector

Flameproof

Unarmored, Tray, Shipboard and SO Type Cable.

NEC/CEC:
Class I, Division 1 ① , Groups C, D
Class I, Division 2, Groups A ②, B ②, C, D

NEC/CEC:
Class II, Division 1 & 2, Groups E, F, G
Class III
NEMA 4X
IP66, IP67, IP68

ATEX/IECEx:
Zone 1
Ex d IIC
Ex e IIC
Ex nR II, Ex tD
IP66, IP67, IP68

Applications

- Flame proof Class I cable connector suitable for unarmored, extra hard usage, tray (TC) and shipboard cables.

Features

- Connector provides an environmental seal on the cable jacket and an explosionproof compound barrier seal around the cable inner cores.
- The connector is UL Listed for NPT or Metric entry threads.
- Continuous operating temperature -60 °C to +85 °C (-76 °F to +185 °F).
- Sealing technique - displacement seal concept. Sealing area(s) - inner compound barrier and outer sheath.

Standard Materials

- Connector: brass fully nickel plated
- Seal: SOLO LSF (low smoke fumes) thermoplastic elastomer
- Epoxy putty.

Options

- Aluminum: replace last digit suffix **5** with **1**
- 316L stainless steel: replace last digit suffix **5** with **4**
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

NEC/CEC Certifications and Compliances

- UL Standard: 2225
- UL Listed: E161256
- CSA Standard: C22.2 No. 174
- cCSAus Certified: 101909

ATEX/IECEx Certifications and Compliances

- Certification Type PXSS2K
  - — Gas: Zones 1 and 2
    - – Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
  - — Dust: Zone 20
    - – Type of Protection: Ex ta IIIC Da
- Conforming to ATEX 94/9/CE: Ⓔx II 2G 3G 1D
- Ambient Temperature: -60 °C to +85 °C (-76 °F to +185 °F)

Cable Gland Size	Metric Thread C	Thread Pitch (mm)	Catalog Numbers: Standard Metric ③	Standard NPT Thread C	Standard NPT ③	Optional NPT Thread C	Optional NPT Thread ③	Minimum Thread Length mm (in) E	Maximum Number of Cores
20S16	M20	1.5	**20S16PX5**	1/2	**20S16PX0505**	3/4	**20S16PX0755**	19.8 (0.78)	11
20S	M20	1.5	**20SPX5**	1/2	**20SPX0505**	3/4	**20SPX0755**	19.8 (0.78)	11
20	M20	1.5	**20PX5**	1/2	**20PX0505**	3/4	**20PX0755**	19.8 (0.78)	11
20L	M20	1.5	**20LPX5**	1/2	**20LPX0505**	3/4	**20LPX0755**	19.8 (0.78)	11
25	M25	1.5	**25PX5**	3/4	**25PX0755**	1	**25PX1005**	20.3 (0.8)	21
32	M32	1.5	**32PX5**	1	**32PX1005**	1-1/4	**32PX1255**	24.9 (0.98)	38
32L	M32	1.5	**32LPX5**	1	**32LPX1005**	1-1/4	**32LPX1255**	24.9 (0.98)	38
40	M40	1.5	**40PX5**	1-1/4	**40PX1255**	1-1/2	**40PX1505**	25.7 (1.01)	59
50S	M50	1.5	**50SPX5**	1-1/2	**50SPX1505**	2	**50SPX2005**	26.2 (1.03)	89
50	M50	1.5	**50PX5**	2	**50PX2005**	2-1/2	**50PX2505**	26.9 (1.06)	89
63S	M63	1.5	**63SPX5**	2	**63SPX2005**	2-1/2	**63SPX2505**	26.9 (1.06)	115
63	M63	1.5	**63PX5**	2-1/2	**63PX2505**	3	**63PX3005**	39.9 (1.57)	115
75S	M75	1.5	**75SPX5**	2-1/2	**75SPX2505**	3	**75SPX3005**	39.9 (1.57)	140
75	M75	1.5	**75PX5**	3	**75PX3005**	3-1/2	**75PX3505**	41.4 (1.63)	140
90	M90	2.0	**90PX5**	3	**90PX3505**	4	**90PX4005**	42.9 (1.69)	200
100	M100	2.0	**100PX5**	4	**100PX4005**	5	**100PX5005**	42.9 (1.69)	200

① Extra hard usage cord only.
② Increased thread engagement is required for gas groups A and B. Please specify gas group, thread form and size when ordering.
③ Entry thread seal not supplied, see Cable Gland Accessories and Tools.

EMERSON

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- CE Declaration of Conformity: DC07001
- ATEX Certificate: Sira 13ATEX10712X, Sira 13ATEX4078X
- IECEx Certificate: IECEx SIR 13.0027X
- Other Certifications: cCSAus, UL, KCC, CCOE/PESO (India)
- Marine Approval: LLOYDS, DNV, ABS
- Index of Protection according EN/IEC 60529: IP66, IP67, IP68
- Deluge Protection Compliance: DTS01:91

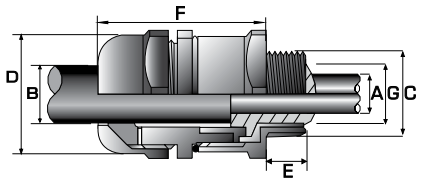
INMETRO Certification

- INMETRO Certificate: TUV 12.2073X

EURASEC Certification

- TC RU C-GB.ГБ05.B.00138

Dimensions in Millimeters (Inches)



Cable Gland Size	Maximum Diameter Over Conductors mm (in) A	Maximum Cable Bedding Diameter mm (in) G	Overall Cable Diameter mm (in) B Min	Overall Cable Diameter mm (in) B Max	Across Flats mm (in) D	Across Corners mm (in) D	Nominal Protrusion Length mm (in) F	Optional PVC Shroud	Cable Connector Weight kgs (oz)
20S16	8.6 (0.34)	8.6 (0.34)	3.0 (0.12)	8.6 (0.34)	30.0 (1.18)	33.0 (1.30)	53.1 (2.09)	**PVC06**	0.2 (7.06)
20S	11.7 (0.46)	11.7 (0.46)	6.1 (0.24)	11.7 (0.46)	30.0 (1.18)	33.0 (1.30)	53.1 (2.09)	**PVC06**	0.2 (7.06)
20	12.7 (0.50)	13.0 (0.51)	6.6 (0.26)	14.0 (0.55)	30.0 (1.18)	33.0 (1.30)	54.1 (2.13)	**PVC06**	0.2 (7.06)
20L	12.7 (0.50)	13.0 (0.51)	9.9 (0.39)	16.0 (0.63)	30.0 (1.18)	33.0 (1.30)	54.1 (2.13)	**PVC06**	0.2 (7.06)
25	17.5 (0.69)	17.8 (0.70)	11.2 (0.44)	20.1 (0.79)	36.1 (1.42)	39.6 (1.56)	59.9 (2.36)	**PVC09**	0.3 (11.64)
32	23.6 (0.93)	23.9 (0.94)	17.0 (0.67)	26.4 (1.04)	40.9 (1.61)	45.2 (1.78)	61.2 (2.41)	**PVC10**	0.4 (13.76)
32L	23.6 (0.93)	23.9 (0.94)	20.1 (0.79)	27.4 (1.08)	40.9 (1.61)	45.2 (1.78)	61.2 (2.41)	**PVC10**	0.4 (13.76)
40	30.0 (1.18)	30.2 (1.19)	22.1 (0.87)	32.0 (1.26)	50.0 (1.97)	55.1 (2.17)	62.5 (2.46)	**PVC13**	0.6 (19.75)
50S	36.6 (1.44)	36.8 (1.45)	29.5 (1.16)	38.1 (1.5)	55.1 (2.17)	60.5 (2.38)	65.3 (2.57)	**PVC15**	0.7 (23.28)
50	40.9 (1.61)	41.4 (1.63)	35.6 (1.40)	43.9 (1.73)	59.9 (2.36)	66.0 (2.60)	67.6 (2.66)	**PVC18**	0.7 (25.75)
63S	48.0 (1.89)	48.5 (1.91)	40.1 (1.58)	50.0 (1.97)	70.1 (2.76)	77.0 (3.03)	71.1 (2.80)	**PVC21**	1.1 (37.74)
63	53.6 (2.11)	54.1 (2.13)	47.2 (1.86)	55.9 (2.20)	74.9 (2.95)	82.6 (3.25)	70.4 (2.77)	**PVC23**	1.1 (37.39)
75S	59.9 (2.36)	60.2 (2.37)	52.8 (2.08)	62.0 (2.44)	80.0 (3.15)	88.1 (3.47)	75.4 (2.97)	**PVC25**	1.3 (45.86)
75	64.3 (2.53)	64.3 (2.53)	59.2 (2.33)	67.8 (2.67)	85.1 (3.35)	93.5 (3.68)	74.9 (2.95)	**PVC27**	1.3 (45.86)
90	75.2 (2.96)	75.7 (2.98)	66.5 (2.62)	79.5 (3.13)	108.0 (4.25)	118.9 (4.68)	94.7 (3.73)	**PVC31**	3.0 (106.53)
100	85.6 (3.37)	85.9 (3.38)	75.9 (2.99)	90.9 (3.58)	122.9 (4.84)	135.4 (5.33)	86.4 (3.40)	**LSF33**	4.0 (141.1)

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