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Cannon, VEAM, BIW

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Cannon

CmX Series

Half size, IP67 sealed and
shielded Servo Drive Connector

Features & Benefits



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CmX Series – Improving performance by saving space, weight and cost

Servo drive applications usually require separate connectors for power and signal cables. To reduce a large number of components, assembling time and cost, ITT introduces compact servo drive connectors.

The CmX Series integrates the TWO connectors (power and signal of servo drives) in one single zinc die cast housing. The innovative design facilitates installation with fewer components, opens new space and is just one-third the height of common connectors. In applications where space is limited CmX is the ideal solution. An additional new clamp technology raise up strain relief to more than double as common connectors.

Available in several sizes, the CmX Series meets all requirements for DIN EN 61984 safety compliance. Each size has varied dimensions for the power cable entry and power connector, while the feedback cable entry and feedback connector dimensions remain similar across the connector family. ITT currently offers the CmX Series in 3 sizes and different variations. Cm2 in low and high voltage, Cm3 with up to 8 power and 18 signal contacts and Cm5 for high power applications.

Why customers benefit from choosing ITT's CmX Series

- Faster and easier assembly
- 50% smaller in size and weight
- Two in one power and signal solution
- Harsh environment proven

Technical overview

- ⊗ 16 to 30-way mixed power and signal layouts
- ⊘ Wire range 0,1 – 6 mm² (AWG 28 – 10)
- ⚡ Max. rating 40 A / max. voltage 630 Vac
- 🌡️ -40°C to +125°C / -40°F to +257°F
- IP Sealing IP67



DIN EN 61984 accordance



Zinc die cast housing is installed directly on the drive, and enables electrical grounding.

Snap-in contacts



No tool is needed to install industry proven CmX snap-in contacts into high temperature insulators.

Low profile housing



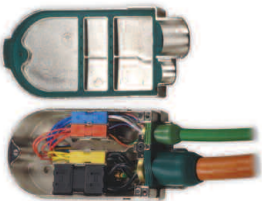
Minimum space is required to adapt CmX to any application.

Rugged design




High degrees of vibration (20g) or shock resistance (50g) ensure reliability in any servo drive application. Integrated strain relief prevents cables pulling out.

IP67 sealing



Fluor rubber sealing and bushings reach IP67 sealing degree and temperatures up to +125°C / +275°F.

Power and signal



Compact TWO-IN-ONE servo drive connector solution avoiding unmating during operation and providing additional safety.

Delivering a durable, reliable and innovative product for industrial automation



Reliable **conveyers** and **motion control** enhanced by servo drives - equipped with Cm3.



Pick and place solutions including material **handling robotics** powered by Cm3.



Automized product packaging, marking and labeling is successfully realized with Cm2.



New **Cm3 feed through** uses standard CmX parts providing more flexibility in **decentralised servo drive** applications.

Product portfolio



	Cm2	Cm3	Cm5	
Current rating		3 A		Signal Connector
Max. voltage		48 Vac		
Wire range		0,1 – 1 mm ² (AWG 28 – 18)		
Number of contacts	12	18	24	Power Connector
Max. cable diameter	8 mm (3.1")	11 mm (4.3")		
Current rating	10 A	18 A	40 A	
Max. voltage		630 Vac		
Wire range	1 mm ² (AWG18)	1,5 mm ² (AWG 16)	1,5 – 6 mm ² (AWG16 – 10)	
Number of contacts		3 + 1 earth contact		
Max. cable diameter	8 mm (3.1")	11 mm (4.3")	19 mm (7.5")	

For more information please visit our website at www.ittcannon.com