



CRC shielded rectangular I/O connector system from Molex provides 7.0A to 15.0A of signal/power in up to 50-circuits for industrial, datacom, medical and other applications

Molex's CRC rectangular I/O connector system provides a compact solution for small industrial robotics and factory automation equipment. This panel-mount system takes up approximately 1/15th the space of industry-standard heavy-duty connectors. The connector system was designed to meet the space savings and shielding requirements found in various industrial and clean-room applications.

Modular CRC terminal housings can be easily snapped into panel-mount shells without any tools making field installation and maintenance fast and easy. Crimp termination saves additional costs and simplifies wiring.

CRC connectors are delivered in kit form for easy assembly and only one part number to inventory. Housings and shells can accept either male or female inserts for maximum design flexibility.

CRC™ Shielded Rectangular I/O Connectors



CRC Shielded Rectangular I/O Connectors

Features and Benefits

Compact design takes up approximately 1/15th the space of industry standard duty connectors

Space savings and full shielding meet the requirements found in various industrial and clean-room applications

Simplified kit ordering makes managing assembly and inventory easy

Receptacle shells available for front or rear panel mount to accommodate any application

Audible and tactile clicks on insertion to facilitate reliable mating

Available in wire-to-wire and wire-to-panel mount configurations

Applications

Automotive

- Robot and other machine control

Data/Communications

- Vision systems

Industrial Automation

- Industrial equipment
- Instrumentation
- Robotics
- Vision systems

Medical

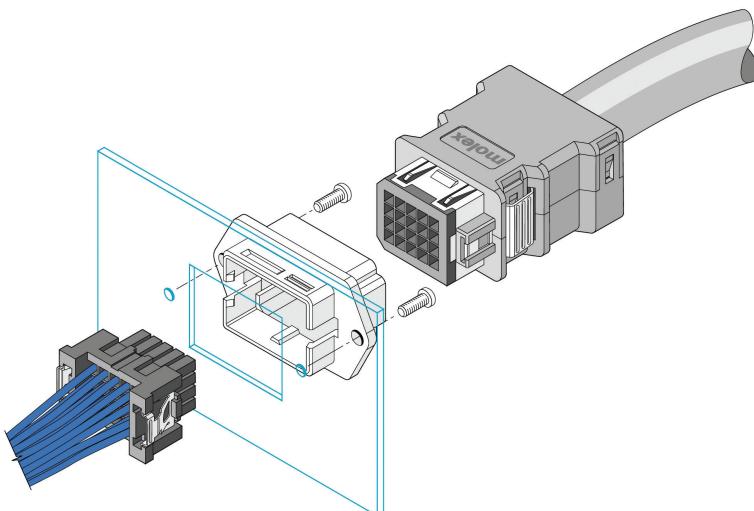
- Instrumentation
- Medical devices

Military/Aerospace

- Vision systems

Telecommunications

- Instrumentation
- Vision systems





Ordering Information

Connectors

Circuits	Description	Order No.
12	Cable clamp	056382-1200
20		056382-2000
30		056382-3000
50		059589-5000

Circuits	Description	Flange	Order No.
12	Plug cover	Yes	051235-1215
20		No	051236-1205
30		Yes	051235-2015
50		No	051236-2005
12		Yes	051235-3015
20		No	051236-3005
50		Yes	059587-5010
12		No	059588-5000
20			051237-1205
12			051237-2005

Circuits	Description	Mounting Style	Order No.
12	Panel Mount Receptacle Shell	Front Mount	056377-1200
20		Rear Mount	056377-1201
30		Front Mount	056377-2000
50		Rear Mount	056377-2001
12		Front Mount	056377-3000
20		Rear Mount	056377-3001
30		Front Mount	056377-5000
50		Rear Mount	056377-5001

Circuits	Description	Description	Terminal:	Polarization Type:	Order No.			
4	KIT	Plug	Female	A	051297-0471			
			Male	A	055887-0471			
12		Receptacle	Female	A	051298-0471			
		Plug	Female	Standard	054332-1270			
			Male		055836-1270			
			Female		054332-2070			
20			Male		055836-2070			
Receptacle		Female	A	054333-2071				
Plug			Standard	054332-3070				
Male		055836-3070						
30		Receptacle	Female	A	054333-3071			
		Plug	Female	Standard	054332-5001			
50					055836-5001			
Male								

*Other polarization options available, please visit www.molex.com

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Connectors

Circuits	Description	Description	Terminal	Polarization Type	Order No.
4	Housing	Plug	Female	A	051297-0471
			Male	D	055891-0404
		Receptacle	Female	A	051300-0411
			Male	A	055890-0411
		Plug	Female	Standard	051239-1201
			Male	Standard	051234-1201
		Receptacle	Female	Standard	051238-1211
			Male	Standard	051233-1211
12	Housing	Plug	Female	Standard	051239-2001
			Male	Standard	051234-2001
		Receptacle	Female	Standard	051238-2011
			Male	Standard	051233-2011
		Plug	Female	Standard	051239-3001
			Male	Standard	051234-3001
		Receptacle	Female	Standard	051238-3011
			Male	Standard	051233-3011
30		Plug	Female	Standard	051239-3001

Circuits	Description	Description	Terminal	Polarization Type	Order No.
30	Housing	Plug	Male	Standard	051234-3001
		Receptacle	Female	Standard	051238-3011
			Male	Standard	051233-3011
		Plug	Female	Standard	051239-5011
			Male	Standard	051234-5011
		Receptacle	Female	Standard	051238-5011
			Male	Standard	051233-5011

*Other polarization options available, please visit www.molex.com

Terminals

Gender	Packaging	Wire Size (AWG)	Pin Length	Order No.	
Male	Reel	14-18	Standard	56193-4028	
	Loose			56193-4128	
	Reel	18-22		56119-8228	
	Loose			56119-8328	
	Reel	24-28	Standard	56118-8228	
	Loose			56118-8328	
Female	Reel	14-18	Standard	56194-9028	
	Loose			56194-9128	
	Reel	18-22		56121-8428	
	Loose			56121-8528	
	Reel	24-28	Standard	56120-8428	
	Loose			56120-8528	

*Other pin lengths available, please visit www.molex.com

www.molex.com/link/crc.html