



Power Connectors

Industrial Connectivity Solutions









M12 Power Series G/GO Series CA Series 7/8" Series ST Series M23 Series Mini Power Series

Be certain. Belden.



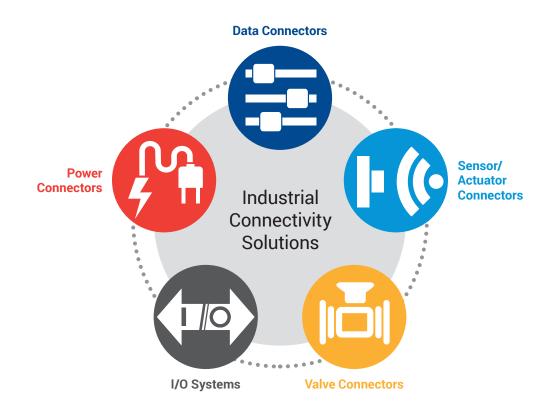


Industrial Connectivity Solutions from Belden

Founded in 1902, Belden's long-term proven solutions are in reliable operation worldwide. Our two leading brands – Hirschmann and Lumberg Automation – combine proven experience with innovation. And a focus on customer needs has made us the global leader in high-quality, end-to-end signal transmissions.

Developed with ease of use in mind, our industrial connectivity solutions are especially designed to stand up to surroundings characterized by dust, water and heavy vibrations.

Whether you want to transfer power, data, signals or all combined in the form of an intelligent I/O system, our diversified product range offers you the right solution for every application.





Power Connectors

When it comes to electrical machinery, a reliable and consistent power supply is indispensable. The choice of an appropriate power connector depends on the nature of the application as well as on your specific requirements. Ranging from design diversity to specific standards and high-voltage versions, the Belden Power portfolio offers a broad, practical selection to fulfill your individual application objectives.

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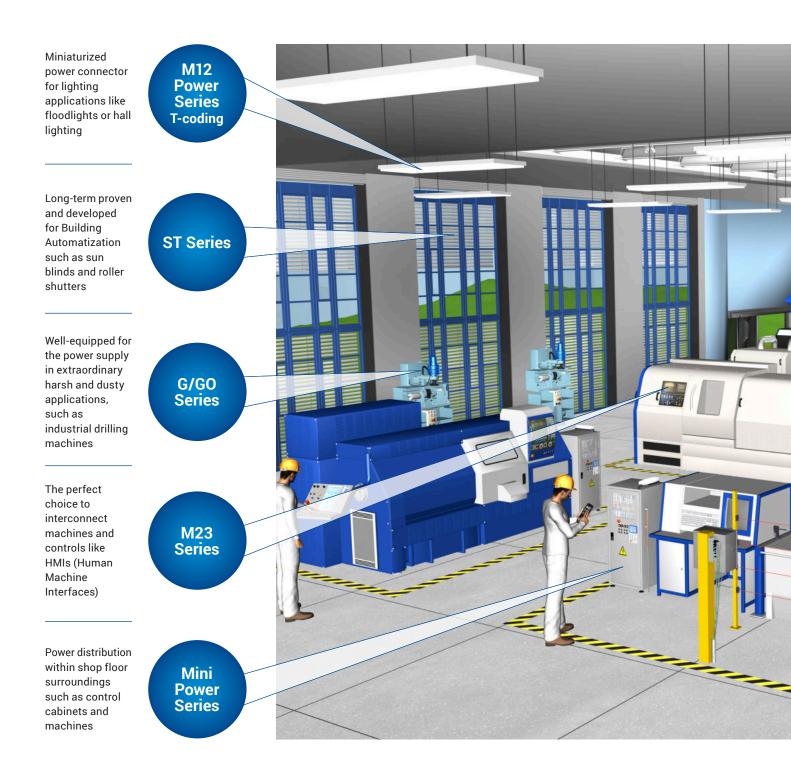
Two Strong Brands for Your Needs



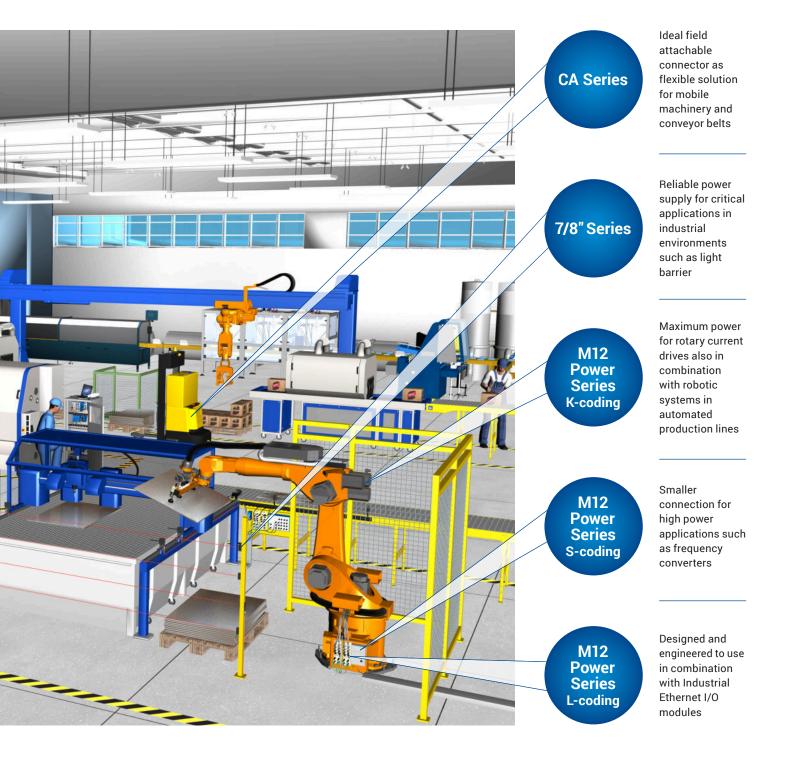




Typical Applications









Product Overview

Products		M12 Power	G/GO	CA	7/8"
	Pin Assignment	S = 3 + PE / T = 4 K = 4 + PE / L = 4 + FE	2 / 2 + PE / 3 + PE / 4 5 + PE / 6 / 6 + PE / 7	3 + PE / 6 + PE	2 / 2 + PE 4 / 4 + PE
General Data	Max. Operating Voltage	600 V AC/DC	230 V AC/DC	400 V AC/230 V DC	230 V AC/DC 600 V AC/DC*
	Max. Current	16 A	10 A	16 A AC/10 A DC	12 A
	IP-Rating	IP65, IP67, IP69	IP65	IP65, IP67	IP67, IP68 (2h at 10 bar)
	VDE	۵	۵	۵	
Approvals	UL	0		0	□*
	CSA			۵	•
			1		
	Molded				
Assembly Design	Field Attachable			0	
	Receptacle	0		0	
				_	
	Ruggedized				
	Mobile Equipment	0	0		
Key Environments	Outdoor				
	Extreme Climate				
	Underwater				
	Household Appliance				
	Automotive				0
	Machine Building				
	Transportation		U		U
Koy Markota					
Key Markets	Automation				
	Infrastructure				
	Building Automation				
	Material Handling				

* US version only



Products		ST	M23	Mini Power
	Pin Assignment	2 + PE / 3 + PE 4 + PE / 5 + PE	12 / 11 + PE 19 / 18 + PE	2 + PE / 3 + PE
General Data	Max. Operating Voltage	400 V AC/230 V DC	120 V AC/DC	600 V AC/DC
	Max. Current	16 A AC/10 A DC	8 A	30 A
	IP-Rating	IP54	IP65, IP67	IP67, IP68
	VDE	0		
Approvals	UL			
	CSA			۵
	Molded		0	0
Assembly Design	Field Attachable	0	0	
	Receptacle	0	۵	0
	Ruggedized			
	Mobile Equipment		٥	
Key Environments	Outdoor			
	Extreme Climate		۵	
	Underwater			۵
	Household Appliance			
	Automotive			0
	Machine Building			
	Transportation		u	
Key Markets	Automation			
Noy murketo	Infrastructure			
	Building Automation		L	
	Material Handling			0
	material Handling			<u> </u>



Cable Overview

Control Cable	Conductor Size		Jacket Color	Temperature Range Stationary	Cable Shielding	Cable Characteristi	
001	3G0.75 mm ²	PVC	Orange	-40 °C to +90 °C	No		
002 4X0.5 mm ²		PVC	Orange	-40 °C to +90 °C	No		
003	2X0.75 mm ²	PVC			No		
004	5G0.5 mm ²	PVC	Orange	-40 °C to +90 °C	No		
242	16G0.5 mm²/3X1.0 mm²	PUR	Black	-50 °C to +80 °C	No	UL	
256	8G0.5 mm ² /3X1.0 mm ²	PUR	Black	-50 °C to +80 °C	No		
637	4X18 AWG	TPE	Yellow	-40 °C to +90 °C	No		
678	16 AWG	PVC	Black, White	-40 °C to +105 °C	No		
700	4G1.5 mm ²	PUR	Black	-40 °C to +125 °C	Yes	· · · · · · · · · · · · · · · · · · ·	
703	4G1.5 mm ²	PUR	Black	-40 °C to +125 °C	No		
722	4X1.5 mm ²	PUR	Black	-40 °C to +125 °C	Yes		
723	4X1.5 mm ²	PUR	Black	-40 °C to +125 °C	No		
731	3X18 AWG	TPE	Yellow	-40 °C to +90 °C	No		
733	4G1.5 mm ²	PVC	Black	-40 °C to +90 °C	No		
735	5G1.5 mm ²	PVC	Black	-40 °C to +90 °C	No		
736	5G0.75 mm ²	PVC	Black	-40 °C to +90 °C	No	N	
794	5X18 AWG	TPE	Yellow	-40 °C to +90 °C	No		
800	3G10 AWG	TPE	Black	-30 °C to +90 °C	No		
802	3G14 AWG	TPE	Black	-30 °C to +90 °C	No		
803	4G10 AWG	TPE	Black	-30 °C to +90 °C	No		
805	4G14 AWG	TPE	Black	-30 °C to +90 °C	No		
838	3X16 AWG	TPE	Yellow	-40 °C to +90 °C	No		
839	4X16 AWG	TPE	Yellow	-40 °C to +90 °C	No		
877	5X16 AWG	TPE	Yellow	-40 °C to +90 °C	No		
910	5G1.5 mm ²	PUR	Black	-40 °C to +125 °C	Yes	🔲 🐜 🎦 🛄 🕕	
911	5G1.5 mm ²	PUR	Black	-40 °C to +125 °C	No		
912	5G2.5 mm ²	PUR	Black	-40 °C to +125 °C	No		
915	4G1.5 mm ²	PVC	Black	-30 °C to +80 °C	Yes		
916	5G1.5 mm ²	PVC	Black	-30 °C to +80 °C	Yes		
921	5G2.5 mm ²	PUR	Black	-30 °C to +125 °C	Yes		
949	5G1.5 mm ²	PUR	Grey	-40 °C to +125 °C	No		
950	5G2.5 mm ²	PUR	Grey	-40 °C to +125 °C	No		
956	5G1.5 mm ²	PUR	Grey	-40 °C to +125 °C	Yes		
957	5G2.5 mm ²	PUR	Grey	-40 °C to +125 °C	Yes		
ST	3G0.75 mm ²	H05RR	Black	-30 °C to +60 °C	No		
ST	4G0.75 mm ²	H05RR	Black	-30 °C to +60 °C	No		
ST	5G0.75 mm ²	H05RR	Black	-30 °C to +60 °C	No		
G	2X0.75 mm ²	H05RN	Black	-25 °C to +70 °C	No		
G	3G1.0 mm ²	PVC	Grey	-25 °C to +70 °C	No		
G	4G0.75 mm ²	PVC	Grey	-25 °C to +70 °C	No		
G	4X1.0 mm ²	PVC	Grey	-25 °C to +70 °C	No		

Vibration and shock resistance

UL-approved

Drag chain suitability

💓 UV resistance

Electromagnetic resistance

Vil, coolants, lubricants and emulsion resistance



Cable Material Comparison

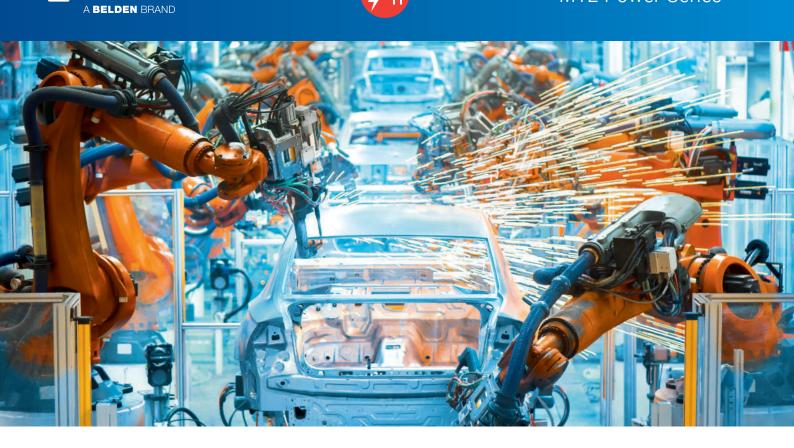
Material	High Temp	Low Temp	Flexibility	UV-Rays	Chemicals	Oil
		×	CD	-;¢;-		**
PUR	••••				••••	
PVC	••00	••00	••00			••00
TPE			0000			

IP Code

Index		Degree of Protection	Index		Degree of Protection
		No protection against accidental contact, no	0		No protection against water
0	4 to	protection against solid foreign bodies	1		Protection against vertical water drops
1	AMA	Protection against contact with any large area by hand and against solid foreign bodies with \emptyset >50 mm	2	15° 15°	Protection against water drops (up to a 15° angle)
2		Protection against contact with the fingers, protection against solid foreign	3	60° 60°	Protection against diagonal water drops (up to a 60° angle)
		bodies with Ø >12 mm	4		Protection against splashed water from all directions
3		wires or similar objects with Ø >2.5 mm, protection against solid foreign bodies with Ø >2.5 mm	5		Protection against water (out of a nozzle from all directions
4	- E	Just like 3 except for the size difference of \emptyset >1 mm	6		Protection against water penetration durir temporary flooding
5	8 8	Full protection against contact, protection against	7		Protection against temporary submersior in water
		interior injurious dust deposits	8		Protection against permanent submersion in water
6		Total protection against contact, protection against penetration of dust	9К		Protected against wate from high-pressure/stea jet cleaners



lumbergautomation



Circular Connectors M12 Power Series

When only the Best is Good Enough – World's Strongest M12 Connector

The M12 Power Series opens the world of conventional M12 technology to high-power transmission. Carrying 16 A at 630 V it is your answer to the increasing demand for powerful connectivity in the smallest possible housings.



The Benefits

Ready for any challenge – full power in hot, wet, particularly dusty or even moving applications

Performance you can rely on -

thanks to high-class material and various international approvals

Comprehensive portfolio – four different codings to fulfill the need of almost every application

Markets

- Machine building
- Automation
- Automotive
- Material handling
- Infrastructure
- Transportation





Technical Information

wer Series	4-pole S-coding	5-pole L-coding	5-pole K-coding	4-pole T-codin
General Data	4 (2 + DE)	5 (A + EE)	E (4 + DE)	4
Cable-Gland (field attachable)	4 (3 + PE) PG 11	5 (4 + FE) PG 11	5 (4 + PE) PG 11	PG 11
Cable-Range (field attachable)	ø 3.0 mm to 11.0 mm	ø 3.0 mm to 11.0 mm	ø 3.0 mm to 11.0 mm	ø 3.0 mm to 11.0 n
Terminal Type (field attachable)	Screw	Crimp	Crimp	Screw
	0.5 mm ² to 1.5 mm ²	· ·	· · · · ·	0.5 mm ² to 1.5 mr
Conductor Size (field attachable)		0.75 mm ² , 1.5 mm ² , 2.5 mm ² PUR	0.75 mm², 1.5 mm², 2.5 mm²	0.5 mm² to 1.5 mm PUR
Cable Material (molded)	PUR, PVC		PUR, PVC	
Conductor Size (molded)	1.5 mm ²	1.5 mm ² , 2.5 mm ²	0.75 mm ² , 1.5 mm ² , 2.5 mm ²	1.5 mm ²
Housing Color	Blue, Black	Blue, Black	Blue, Black	Blue, Black
Electrical Data				
Operating Voltage	600 V AC/DC	50 V AC/60 V DC	600 V AC/DC	50 V AC/60 V D0
Current	16 A AC/DC	16 A AC/DC	16 A AC/DC	16 A AC/DC
Environmental Data				
Ambient Temperature*	-40 °C to +125 °C	-40 °C to +125 °C	-40 °C to +125 °C	-40 °C to +125 °
Protection Degree	IP65, IP67, IP69	IP65, IP67, IP69	IP65, IP67, IP69	IP65, IP67, IP69
Approvals	VDE, UL	VDE, UL	VDE, UL	VDE, UL

Notice derating and cable temperature





Product Configurator

Cordsets 5 K - 7 3 5 / 5 M R S T S Gender & Design **RST** = Male cordset, molded, straight RSWT = Male cordset, molded, 90° angled RKT = Female cordset, molded, straight RKWT = Female cordset, molded, 90° angled Shielding S = 360° shielding = No shielding Coding & Pin Assignment 5K = K-coding, 5-pole (4+PE) 4S = S-coding, 4-pole (3+PE) = L-coding, 5-pole (4+FE) 4T = T-coding, 4-pole 5L **Cable Style** S-coding L-coding K-coding 949 = 5G1.5 mm², PUR, Grey 736 = 5G0.75 mm², PVC, Black 735 = 5G1.5 mm², PVC, Black 733 = 4G1.5 mm², PVC, Black 950 = 5G2.5 mm², PUR, Grey 703 = 4G1.5 mm², PUR, Black 915 = 4G1.5 mm², shielded, PVC, Black 956 = 5G1.5 mm², shielded, PUR, Grey 912 = 5G2.5 mm², PVC, Black 700 = 4G1.5 mm², shielded, PUR, Black 957 = 5G2.5 mm², shielded, PUR, Grey 911 = 5G1.5 mm², PUR, Black 916 = 5G1.5 mm², shielded, PVC, Black $921 = 5G2.5 \text{ mm}^2$, shielded, PVC, Black T-coding 910 = 5G1.5 mm², shielded, PUR, Black 722 = 4X1.5 mm², shielded, PUR, Black 723 = 4X1.5 mm², PUR, Black X: Without PE Other cable styles available upon request. G: With PE Please contact: icos-sales@belden.com Cable Length 2M = 2 meter **5M** = 5 meter Other cable lengths available upon request. 10M = 10 meter Please contact: icos-sales@belden.com

Field Attachables	R	K	C	C S	5	K /	1	1	1	, 5
Gender & Design				1				•		1
L- & K-coding (crimp type)			,							
RSCC = Male connector, field attachable, straight RKCC = Female connector, field attachable, straight										
S- & T-coding (screw type)										
RSC = Male connector, field attachable, straight RKC = Female connector, field attachable, straight										
Shielding										
S = 360° shielding (not optional)										
Coding & Pin Assignment										
5K= K-coding, 5-pole (4 + PE) $4S$ = S-coding, 4-pole (3 + PE) $5L$ = L-coding, 5-pole (4 + FE) $4T$ = T-coding, 4-pole										
Cable Gland										
11 = PG11								-		
Cross-section										
0,75 = 0.75 mm ² crimp-contact (L- & K-coding) 2,5 = 2.5 mm ² crimp-contact					 D.					

0,75	= 0.75 mm ² crimp-contact (L- & K-coding)
1,5	= 1.5 mm ² crimp-contact (L- & K-coding)



Order Overview

M12 Power Series	S-coded 4-	oole (3 + PE)	L-coded 5-pole (4 + FE)			
	Male	Female	Male	Female		
1. Choose Coding 🛶				•		
2. Choose Design						
Field Attachables						
Straight, screw type, shielded/unshielded	RSCS 4S/11	RKCS 4S/11	-	-		
Straight, crimp type, shielded/unshielded	-	-	RSCCS 5L/11,1.5	RKCCS 5L/11,1.5		
Receptacles						
Front mount	RSF6S 4S-033/0,2 M	RKF6S 4S-033/0,2 M	RSF6S 5L-033/0,2 M	RKF6S 5L-033/0,2 M		
Front mount (positionable)	RSP6S 4S-033/0,2 M	RKP6S 4S-033/0,2 M	RSP6S 5L-033/0,2 M	RKP6S 5L-033/0,2 M		
Rear mount	RSH6S 4S-033/0,2 M	RKH6S 4S-033/0,2 M	RSH6S 5L-033/0,2 M	RKH6S 5L-033/0,2 M		
Flange (20x20)	RSA0S 4S-033/0,2 M	_	RSA0S 5L-033/0,2 M	_		
Single-Ended Cordsets						
Straight, unshielded	RST 4S-703/*M	RKT 4S-703/*M	RST 5L-949/*M	RKT 5L-949/*M		
Straight, shielded	RSTS 4S-700/*M	RKTS 4S-700/*M	RSTS 5L-956/*M	RKTS 5L-956/*M		
Angled, unshielded	RSWT 4S-703/*M	RKWT 4S-703/*M	RSWT 5L-949/*M	RKWT 5L-949/*M		
Double-Ended Cordsets		1				
Straight-to-straight, unshielded	RST 4S-RK	Г 4S- <mark>703</mark> /*М	RST 5L-RK	5L-949/*M		
Straight-to-straight, shielded		ΓS 4S-700/*M	RST 51-RKT 51-9437 M RSTS 51-RKTS 51-956/*M			
Straight-to-angled, unshielded		/T 4S-703/*M	RST 5L-RKWT 5L-949/*M			
	RSWT 4S-RK		RSWT 5L-RKWT 5L-949/*M			
Angled-to-angled, unshielded						
	K-coded 5-j	pole (4 + PE)	T-code	d 4-pole		
M12 Power Series						
	K-coded 5-j	pole (4 + PE)	T-code	d 4-pole		
M12 Power Series	K-coded 5-j	pole (4 + PE)	T-code	d 4-pole		
M12 Power Series	K-coded 5-j	pole (4 + PE)	T-code	d 4-pole		
M12 Power Series 1. Choose Coding	K-coded 5-j	pole (4 + PE)	T-code	d 4-pole		
M12 Power Series 1. Choose Coding	K-coded 5-j	pole (4 + PE)	T-code Male	d 4-pole Female		
M12 Power Series 1. Choose Coding	K-coded 5-r Male	pole (4 + PE) Female	T-code Male	d 4-pole Female		
M12 Power Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, shielded/unshielded Straight, crimp type, shielded/unshielded Receptacles	K-coded 5-r Male	pole (4 + PE) Female	T-code Male	d 4-pole Female		
M12 Power Series 1. Choose Coding	K-coded 5-r Male Exercised RSCCS 5K/11,1.5	Female Female	T-coder Male Excs 4T/11 -	1 4-pole Female Female RKCS 4T/11		
M12 Power Series 1. Choose Coding	K-coded 5- Male EXAMPLE A COMPARING RSCCS 5K/11,1.5 RSF6S 5K-033/0,2 M	Dole (4 + PE) Female - RKCCS 5K/11,1.5 RKF6S 5K-033/0,2 M	T-code Male RSCS 4T/11 - RSF6U 4T-033/0,2 M	1 4-pole Female EXECS 4T/11 - RKF6U 4T-033/0,2 M		
M12 Power Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, shielded/unshielded Straight, crimp type, shielded/unshielded Receptacles Front mount Front mount (positionable)	K-coded 5-j Male	Dole (4 + PE) Female - RKCCS 5K/11,1.5 RKF6S 5K-033/0,2 M RKP6S 5K-033/0,2 M	T-code Male RSCS 4T/11 RSF6U 4T-033/0,2 M RSP6U 4T-033/0,2 M	1 4-pole Female		
M12 Power Series 1. Choose Coding 2. Choose Design 2. Choose Design Field Attachables Straight, screw type, shielded/unshielded Straight, crimp type, shielded/unshielded Receptacles Front mount	K-coded 5-j Male	Dole (4 + PE) Female - RKCCS 5K/11,1.5 RKF6S 5K-033/0,2 M RKP6S 5K-033/0,2 M RKH6S 5K-033/0,2 M	T-code Male RSCS 4T/11 - RSF6U 4T-033/0,2 M RSP6U 4T-033/0,2 M RSP6U 4T-033/0,2 M	1 4-pole Female		
M12 Power Series 1. Choose Coding 2. Choose Design ield Attachables straight, screw type, shielded/unshielded straight, crimp type, shielded/unshielded Receptacles iront mount iront mount iront mount itage (20x20) Single-Ended Cordsets	K-coded 5-j Male	Dole (4 + PE) Female - RKCCS 5K/11,1.5 RKF6S 5K-033/0,2 M RKP6S 5K-033/0,2 M RKH6S 5K-033/0,2 M	T-code Male RSCS 4T/11 - RSF6U 4T-033/0,2 M RSP6U 4T-033/0,2 M RSP6U 4T-033/0,2 M	1 4-pole Female		
M12 Power Series 1. Choose Coding 2. Choose Design 2. Choose Design Field Attachables Straight, screw type, shielded/unshielded Straight, crimp type, shielded/unshielded Receptacles Front mount Front mount (positionable) Rear mount	K-coded 5-j Male	Dole (4 + PE) Female - RKCCS 5K/11,1.5 RKF6S 5K-033/0,2 M RKP6S 5K-033/0,2 M RKH6S 5K-033/0,2 M -	T-code Male RSCS 4T/11 – RSF6U 4T-033/0,2 M RSP6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSH6U 4T-033/0,2 M	1 4-pole Female RKCS 4T/11 - RKF6U 4T-033/0,2 M RKP6U 4T-033/0,2 M RKH6U 4T-033/0,2 M -		
M12 Power Series	K-coded 5-j Male	Dole (4 + PE) Female - RKCCS 5K/11,1.5 RKF6S 5K-033/0,2 M RKH6S 5K-033/0,2 M RKH6S 5K-033/0,2 M - RKT 5K-911/*M	T-code Male RSCS 4T/11 - RSF6U 4T-033/0,2 M RSP6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSA0U 4T-033/0,2 M	1 4-pole Female		
M12 Power Series	K-coded 5-j Male	Female - RKCCS 5K/11,1.5 RKF6S 5K-033/0,2 M RKH6S 5K-033/0,2 M	T-code Male RSCS 4T/11 - RSF6U 4T-033/0,2 M RSP6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSA0U 4T-033/0,2 M RSA0U 4T-033/0,2 M	1 4-pole Female		
M12 Power Series	K-coded 5-; Male	Female - RKCCS 5K/11,1.5 RKF6S 5K-033/0,2 M RKH6S 5K-033/0,2 M	T-code Male RSCS 4T/11 - RSF6U 4T-033/0,2 M RSP6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSA0U 4T-033/0,2 M RSA0U 4T-033/0,2 M	d 4-pole Female		
M12 Power Series I. Choose Coding I. Choose Coding 2. Choose Design 2. Choose Design 3. Choose	K-coded 5-; Male	Dole (4 + PE) Female Image: Constraint of the system - RKCCS 5K/11,1.5 RKF6S 5K-033/0,2 M RKH6S 5K-033/0,2 M RKH6S 5K-033/0,2 M RKH6S 5K-033/0,2 M RKH6S 5K-911/*M RKT 5K-911/*M RKWT 5K-911/*M	T-code Male RSCS 4T/11 RSF6U 4T-033/0,2 M RSP6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSA0U 4T-033/0,2 M RSA0U 4T-033/0,2 M RST 4T-722/*M RST 4T-722/*M RST 4T-722/*M RST 4T-723/*M	1 4-pole Female RKCS 4T/11 RKF6U 4T-033/0,2 M RKP6U 4T-033/0,2 M RKH6U 4T-033/0,2 M RKH6U 4T-723/*M RKTS 4T-722/*M RKTY 4T-723/*M		
M12 Power Series 1. Choose Coding 2. Choose Design ield Attachables Straight, screw type, shielded/unshielded Straight, crimp type, shielded/unshielded Receptacles Front mount Front mount Front mount Straige (20x20) Single-Ended Cordsets Straight, unshielded	K-coded 5-; Male	Female Female Image: Constraint of the system of the syst	T-code Male RSCS 4T/11 RSF6U 4T-033/0,2 M RSF6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSH6U 4T-033/0,2 M RSA0U 4T-033/0,2 M RSA0U 4T-033/0,2 M RST 4T-722/*M RSTS 4T-722/*M RST 4T-723/*M RST 4T-723/*M	1 4-pole Female RKCS 4T/11 - RKF6U 4T-033/0,2 M RKP6U 4T-033/0,2 M RKH6U 4T-033/0,2 M RKH6U 4T-033/0,2 M RKT5 4T-722/*M RKT5 4T-722/*M RKWT 4T-723/*M		

Blue highlighted product features are available in different variants. Please see page 12 for more information.







Rectangular Connectors G/GO Series

The Space-Saver: Great in Performance – Small in Size

Where other connectors may find conditions too tight, the G/GO Series is right at home – and that's why the rectangular connector with its compact dimensions plays a major role in the world of miniaturization.



The Benefits

Extremely tough – especially designed for applications with persistent mechanical stress, e.g. in underground mining surroundings

Flexible to use – viable for a wide range of industries due to various pin assignments

Flexible to fit – square (G) and rectangular designs (GO) to match your individual application

Markets

- Machine building
- Automation
- Material handling
- Underground mining

14





Technical Information

ries	G Series 2-pole	G Series 3-pole	G Series 4-pole	GO Series 6-pole	GO Series 7-po
					P
General Data					
No. of Pins	2	2 + PE	Molded: 3 + PE, 4 Field attachable: 4 Receptacle: 4	5 + PE, 6	6 + PE, 7
Cable-Gland (field attachable)	-	PG 7	PG 7	PG 7	PG 11
Cable-Range (field attachable)	-	ø 4.5 mm to 7.5 mm	ø 4.5 mm to 6.0 mm	ø 4.0 mm to 7.5 mm	ø 4.0 mm to 10.0 r
Terminal Type (field attachable	.) –	Solder	Solder	Solder	Screw
Conductor Size (field attachab	le) –	0.15 mm ² to 0.5 mm ²	0.15 mm ² to 0.5 mm ²	0.15 mm ² to 0.5 mm ²	0.25 mm ² to 1.0 m
Cable Material (molded)	PVC	PVC	PVC	_	-
Conductor Size (molded)	0.75 mm ²	1.0 mm ²	0.75 mm², 1.0 mm²	_	-
Housing Color	Black, Grey	Black, Grey	Black, Grey	Black	Black
Electrical Data					
Operating Voltage	50 V AC/DC	230 V AC/DC	3 + PE: 230 V AC/DC 4: 50 V AC/DC	5 + PE: 230 V AC/DC 6: 50 V AC/DC	6 + PE: 230 V AC/ 7: 50 V AC/DC
Current	10 A AC/DC	Molded: 10 A AC/DC Field attachable: 6 A AC/DC	Molded: 10 A AC/DC Field attachable: 6 A AC/DC Receptacle: 10 A AC/DC	6 A AC/DC	10 A AC 6 A DC
Environmental Data					
Ambient Temperature*	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C	-40 °C to +90 °C
Protection Degree	IP65	IP65	IP65	IP65	IP65
Approvals	VDE	VDE	VDE	VDE	VDE







Product Configurator

G Series Cordsets	s und Field Attachables	G	3 0	KW	3	F	2 M	G R E Y
Series Indicator		↑	1	1	1	1	1	1
G = G Series								
Pin Assignment								
2 = 2-pole (molded or 20 = 3-pole (2 + PE) 30 = 4-pole (3 + PE) 4 = 4-pole	nly)							
Geometry Design								
KW = Molded, 90° angle W = Field attachable, 9								
Protective Earth								
1 = Without earth con 3 = With earth conduc								
Gender								
M = Male connector F = Female connector								
Cable Length								
\Box = Cordless (field att 1,5M = 1.5 meter								
2M = 2 meter 3M = 3 meter	Other cable lengths available upor Please contact: icos-sales@belder							
Housing Color								
CREV - Crow housing								

GREY = Grey housing BLACK = Black housing

GO Series Field Attachables and Receptacles

Series Indicator

GO = GO Series (long edition 5-, 6- and 7-pole)

Pin Assignment

51 = 6-pole (5 + PE/230 V)6 = 6-pole (50 V)60 = 6-pole (230 V)610 = 7-pole (6 + PE/230 V)070 = 7-pole (50 V)

700 = 7-pole (230 V)

Geometry Design

WF = 90° angled, female, (field attachable)

UM = Male, PCB mount, (receptacle)

FAV M = Male, octagonal flange, (receptacle)

FA M = Male, rectangular flange, (receptacle)

G 0

0 7 0

WF





Order Overview

Male	Female	Male	Female	
	\mathbf{Q}	<u>, </u>	X	
-	-	-	G 20 W 3 F Grey	
-			-	
_	- G 2 KW 1 F *M Grey		G 20 KW 3 F *M Grey	
4-pole	(3 + PE)	4-r	oole	
Male	Female	Male	Female	
1. Choose Coding			\mathbf{Q}	
			1	
-	G 30 W 3 F Grey	-	G 4 W 1 F Grey	
G 30 A 3 M Grey	G 30 E 3 F Grey	G 4 A 1 M Grey	-	
G 30 KW 3 M *M Grey	G 30 KW 3 F *M Grey	-	G 4 KW 1 F *M Grey	
6-pole ((5 + PE)	6-pole		
Male	Female	Male	Female	
) o (•; •; ;;		
-	GO 51 WF Black	-	GO 6 WF Black (50 V) GO 6 WF Black (230 V)	
-	_	-	-	
GO 51 UM	_	GO 6 UM (50 V) GO 60 UM (230 V)	-	
GO 51 FAV M	_	GO 6 FAV M (50 V) GO 60 FAV M (230 V)	-	
7-pole ((6 + PE)	7-pole		
Male	Female	Male	Female	
		μ.	α	
	ı			
-	_	-	_	
_	GO 610 WF Black	-	GO 070 WF Black (50 V) GO 700 WF Black (230 V)	
	1			
_	_	_	_	
CO 610 54 M		GO 070 FA M (50 V)	_	
	- 4-pole Male CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	- G 2 KW 1 F *M Grey 4-pole (3 + PE) Male Female Image: Imamatan: Imamatan: Imamatan: Imamatan: Imamatan: Imamatan: Imamatan:	- G 2 KW 1 F *M Grey G 20 KW 3 M *M Grey 4-pole (3 + PE) 4-p Male Female Male Image: Second S	

Blue highlighted product features are available in different variants. Please see page 16 for more information.



Circular Connectors CA Series

Reliable Power Transmission – where you need it, when you need it

Combining the advantages of a lightweight plastic housing with the mechanical robustness of an industrial connector, the CA Series represents a reliable solution for the most demanding applications.



The Benefits

Ruggedized for performance – well-proven power supply for wet, dusty and harsh surroundings

Intuitive to handle – thanks to user-friendly termination and assembly in a jiffy

Versatile to use – technologically convincing connectivity solution for a wide range of applications

Markets

- Machine building
- Measurement and control
- Automation
- Logistics
- Infrastructure
- Material handling





Technical Information

ies	4-pole (3 + PE)	7-pole (6 + PE)
General Data		
No. of Pins	3 + PE	6 + PE
Cable-Gland (field attachable)	TR 22	TR 22
Cable-Range (field attachable)	ø 6 mm to 12 mm	ø 6 mm to 12 mm
Terminal Type (field attachable)	Screw	Solder
Conductor Size (field attachable)	0.5 mm ² to 2.5 mm ²	max. 0.75 mm ²
Cable Material (molded)	-	-
Conductor Size (molded)	-	_
Housing/Contact Holder Color	Black, White, Red, Blue	Black, White, Red, Blue
Electrical Data		
Operating Voltage	400 V AC/230 V DC	230 V AC/DC
Current	16 A AC/10 A DC	10 A AC/DC
Environmental Data		
Ambient Temperature*	-40 °C to +90 °C	-40 °C to +90 °C
Protection Degree	IP65, IP67	IP65, IP67
Approvals	UL, VDE, CSA	UL, VDE, CSA





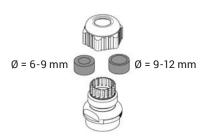


Product Configurator

Field Attachables and Receptacles	C A	3	W	L S	B L U E
Series Indicator	1	1	1	1	1
CA = CA Series					
Pin Assignment					
3 = 4-pole (3 + PE) 6 = 7-pole (6 + PE)					
Geometry Design					
\square = Straight W = 90° angled					
Gender & Design					
LS = Male connector, field attachable LD = Female connector, field attachable GS = Male connector, receptacle with flange GD = Female connector, receptacle with flange					
Housing / Contact Holder Color					

BLACK = Black housing BLUE = Blue housing RED = Red housing WHITE = White housing

CA Series – intuitive assembly in a jiffy



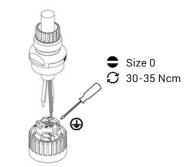
Pick the right sealing depending on your cable size.



Repeat this procedure for the remaining contacts.



Insert the sealing into the body, then push the cable through.



Unscrew the PE-contact, insert the PE-conductor and tighten again.



Screw the connector body to the contact holder.



Screw the cable gland to the connector body.



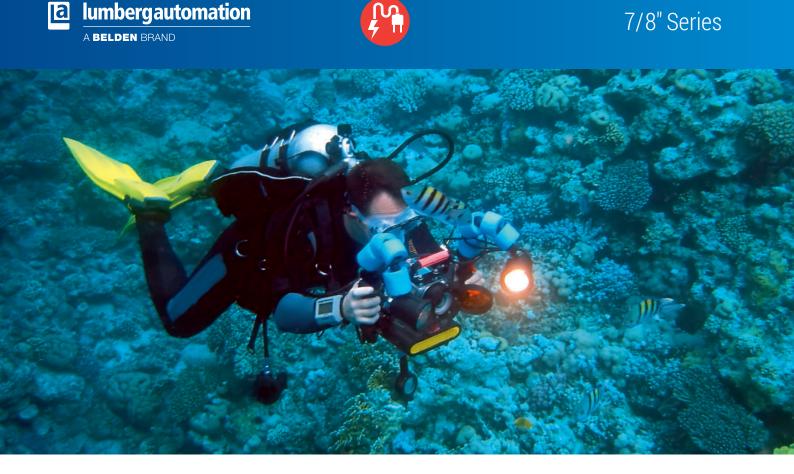


Order Overview

CA Series	4-pole	(3 + PE)	7-pole (6 + PE)		
	Male	Female	Male	Female	
1. Choose Coding					
Field Attachables				1	
Straight, screw type	CA 3 LS	CA 3 LD	-	-	
Straight, solder type	-	-	CA 6 LS	CA 6 LD	
Angled, screw type	CA 3 W LS	CA 3 W LD	-	_	
Angled, solder type	_	-	CA 6 W LS	CA 6 W LD	
Receptacles					
Screw type	CA 3 GS	CA 3 GD	_	_	
Solder type	_	-	CA 6 GS	CA 6 GD	
Accessories					
Safety cap for field attachables, variable loop	CA 00 SD 1	CA 00 SD 3	CA 00 SD 1	CA 00 SD 3	
Safety cap for receptacles, fixed loop	CA 00 SD 2	CA 00 SD 4	CA 00 SD 2	CA 00 SD 4	

Please see page 20 for more information.





Circular Connectors 7/8" Series

Sealed like a submarine – completely watertight up to 100 meters

The circular connectors of the 7/8" Series feature very high mechanical and electrical durability. A special PUR-overmolding prevents dust and moisture from entering the connector and ensures impermeability up to 10 bar.



The Benefits

Feel the difference – high-quality material ensuring a long lifetime and exceptional operational reliability

Great variety – a wide range of versions offers flexible connection solutions

Worldwide valued – internationally standardized interface for global usage

Markets

- Machine building
- Automation
- Material handling
- Automotive

22





Technical Information

7/8" Seri	es	2- p	ole	3-pole	(2 + PE)	4-ı	oole	5-pole	(4 + PE)		
T	General Data										
	No. of Pins		2	2 +	- PE	Molded: 4-pole Field attachable: 3 + PE Receptacle: 4-pole		Field attachable: 3 + PE		4 + PE	
	Cable-Gland (field attachable)	-	-	PG 9, 11	, 13.5, 16	PG 9, 11	, 13.5, 16	PG 9, 11, 13.5, 16			
	Cable-Range (field attachable)		-	PG 11: ø 8.0 m PG 13.5: ø 10.0	nm to 8.0 mm nm to 10.0 mm mm to 12.0 mm mm to 14.0 mm	PG 11: ø 8.0 n PG 13.5: ø 10.0	nm to 8.0 mm nm to 10.0 mm mm to 12.0 mm mm to 14.0 mm	PG 11: ø 8.0 n PG 13.5: ø 10.0	nm to 8.0 mm nm to 10.0 mm mm to 12.0 mm mm to 14.0 mm		
	Terminal Type (field attachable)	-	-	Sc	rew	Sc	rew	Sc	rew		
	Conductor Size (field attachable)	-	-	max. 1	max. 1.5 mm ² max. 1.5 mm ²		max. 1	.5 mm²			
	Cable Material (molded)	P	VC	P	VC	Р	VC	PVC			
	Conductor Size (molded)	0.75	mm²	0.75	mm²	0.5	mm²	0.5	mm²		
	Housing Color	Orange,	Yellow**		nge, Yellow** hable: Black		nge, Yellow** hable: Black		nge, Yellow** hable: Black		
	Electrical Data										
	Operating Voltage	230 V AC/DC	600 V AC/DC**	230 V AC/DC	600 V AC/DC**	230 V AC/DC	600 V AC/DC**	230 V AC/DC	600 V AC/DC**		
	Current	12 A /	AC/DC	12 A /	AC/DC	9 A A	AC/DC	9 A A	AC/DC		
white.	Environmental Data										
义农	Ambient Temperature*	-40 °C t	0 +90 °C	-40 °C t	0 +90 °C	-40 °C t	0 + 90°C	-40 °C t	0 +90 °C		
	Protection Degree	Field attac	8 (2h, 10 bar) hable: IP67 68 (1h, 10 bar)	Field attac	8 (2h, 10 bar) hable: IP67 '68 (1h, 10 bar)	Molded: IP68 (2h, 10 bar) Field attachable: IP67 Receptacle: IP68 (1h, 10 bar)		Molded: IP68 (2h, 10 bar) Field attachable: IP67 Receptacle: IP68 (1h, 10 bar)			

* Notice derating and cable temperature ** US version only

Approvals



_



Product Configurator

Cordsets		RK	2 0 - 0	3 / 2 M
Gender & Design		1	Î	Î Î
RS = Male cordset, molded, straight RSW = Male cordset, molded, 90° angled RK = Female cordset, molded, straight RKW = Female cordset, molded, 90° angle	d			
Pin Assignment				
20 = 2-pole, male coupling nut with exter 30 = 3-pole (2 + PE), male coupling nut with 40 = 4-pole, male coupling nut with exter 50 = 5-pole (4 + PE), male coupling nut with	with external threads rnal threads			
US Version				
301= 3-pole (2 + PE), male coupling nut v401= 4-pole, male coupling nut with inter501= 5-pole (4 + PE), male coupling nut v	nal threads			
Cable Style				
01 = $3G0.75 \text{ mm}^2$, PVC, Orange 02 = $4X0.5 \text{ mm}^2$, PVC, Orange	03 = 2X0.75 mm ² , PVC, orange 04 = 5G0.5 mm ² , PVC, orange			
US Version				
2-pole	3-pole			
678 = 2X16 AWG, PVC, Yellow, STOW	731 = 3X18 AWG, TPE, Yellow, PLTC 838 = 3X16 AWG, TPE, Yellow, TC-ER			
4-pole	5-pole			
637 = 4X18 AWG, TPE, Yellow, PLTC 839 = 4X16 AWG, TPE, Yellow, TC-ER	794 = 5X18 AWG, TPE, Yellow, PLTC 877 = 5X16 AWG, TPE, Yellow, TC-ER			
X: Without PE G: With PE	Other cable styles available upon request. Please contact: icos-sales@belden.com			
Cable Length				
2M = 2 meter 5M = 5 meter 10M = 10 meter	Other cable lengths available upon request. Please contact: icos-sales@belden.com			
			• • • • • • • • • • • • • • • • • • • •	
Field Attachables			R K C	3 0 / 9

Gender & Desian

Gender & Design	↑ ↑		
RSC = Male connector, field attachable, straight RKC = Female connector, field attachable, straight			
Pin Assignment			
 30 = 3-pole (2 + PE), male coupling nut with external threads 40 = 4-pole (3 + PE), male coupling nut with external threads 50 = 5-pole (4 + PE), male coupling nut with external threads 			
US Version			
 301 = 3-pole (2 + PE), male coupling nut with internal threads 401 = 4-pole, male coupling nut with internal threads 501 = 5-pole (4 + PE), male coupling nut with internal threads 			
Cable Gland			

Cable Gland

= PG 9 9 9 = PG 9 11 = PG 11 13,5 = PG 13.5 16 = PG 16



Order Overview

7/8" Series	2- p	ole	3-pole	(2 + PE)	
	Male	Female	Male	Female	
1. Choose Coding					
2. Choose Design		•		$(\bullet \bullet)$	
Field Attachables					
Straight, screw type, PG 9, external threads	-	-	RSC 30/9	RKC 30/9	
Straight, screw type, PG 11, external threads	-	-	RSC 30/11	RKC 30/11	
Straight, screw type, PG 13.5, external threads	-	-	RSC 30/13,5	RKC 30/13,5	
Straight, screw type, PG 16, external threads	-	-	RSC 30/16	RKC 30/16	
Straight, screw type, PG 9, internal threads	-			-	
Straight, screw type, PG 11, internal threads	_			_	
Straight, screw type, PG 13.5, internal threads	_			_	
Straight, screw type, PG 16, internal threads	-	-	RSC 301/16	-	
Receptacles		1			
Front mount, with stranded wire, PG 11	RSF 20/11-03	RKF 20/11-03	RSF 30/11-01	RKF 30/11-01	
Front mount, with stranded wire, PG 13.5	RSF 20/13,5-03	RKF 20/13,5-03	RSF 30/13,5-01	RKF 30/13,5-01	
Single-Ended Cordsets	,				
Straight, external threads	RS 20- <mark>03</mark> /*M	RK 20-03/*M	RS 30-01/*M	RK 30-01/*M	
Angled, external threads	RSW 20-03/*M	RKW 20-03/*M	RSW 30-01/*M	RKW 30-01/*M	
Straight, internal threads	_	-	RS 301-01/*M	RK 301-01/*M	
Angled, internal threads	_	_	RSW 301-01/*M	RKW 301-01/*M	
Double-Ended Cordsets					
Straight-to-straight, external threads	RSBK 20)-03/* M	BSBK 30)- <mark>01</mark> /* M	
			RSRKW 30-01/* M		
Straight-to-angled external threads	RSRKW 20-03/* M		RSRKW 30-01/* M		
Angled-to-angled, external threads	RSWRKW	20-03/* M (3 + PE)		30-01/* M (4 + PE)	
Angled-to-angled, external threads	RSWRKW	20-03/* M			
Angled-to-angled, external threads	RSWRKW 4-pole	20-03/* M (3 + PE)	5-pole	(4 + PE)	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding	RSWRKW 4-pole	20-03/* M (3 + PE)	5-pole	(4 + PE)	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding	RSWRKW 4-pole	20-03/* M (3 + PE)	5-pole	(4 + PE)	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads	RSWRKW 4-pole Male	20-03/* M (3 + PE) Female	5-pole Male	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads	RSWRKW 4-pole Male RSC 40/9	20-03/* M (3 + PE) Female 	5-pole Male RSC 50/9	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 13.5, external threads	RSWRKW 4-pole Male RSC 40/9 RSC 40/11	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/11	5-pole (Male RSC 50/9 RSC 50/11	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 13.5, external threads Straight, screw type, PG 16, external threads	RSWRKW 4-pole Male RSC 40/9 RSC 40/11 RSC 40/13,5	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/11 RKC 40/13,5	5-pole Male RSC 50/9 RSC 50/11 RSC 50/13,5	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 16, external threads Straight, screw type, PG 9, internal threads Straight, screw type, PG 9, internal threads	RSWRKW 4-pole Male RSC 40/9 RSC 40/11 RSC 40/13,5 RSC 40/16	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/11 RKC 40/13,5 RKC 40/16	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 13.5, external threads Straight, screw type, PG 16, external threads Straight, screw type, PG 9, internal threads Straight, screw type, PG 9, internal threads Straight, screw type, PG 11, internal threads	RSWRKW 4-pole Male RSC 40/9 RSC 40/13 RSC 40/13,5 RSC 40/16 RSC 401/9	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/11 RKC 40/13,5 RKC 40/16 –	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16 RSC 501/9	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 16, external threads Straight, screw type, PG 9, internal threads Straight, screw type, PG 9, internal threads Straight, screw type, PG 11, internal threads Straight, screw type, PG 13.5, internal threads	RSWRKW 4-pole Male RSC 40/9 RSC 40/11 RSC 40/13,5 RSC 40/16 RSC 401/9 RSC 401/9 RSC 401/11	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/11 RKC 40/13,5 RKC 40/16 – –	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16 RSC 501/9 RSC 501/9 RSC 501/11	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 16, external threads Straight, screw type, PG 9, internal threads Straight, screw type, PG 11, internal threads Straight, screw type, PG 13.5, internal threads Straight, screw type, PG 13.5, internal threads Straight, screw type, PG 16, internal threads Straight, screw type, PG 13.5, internal threads	RSWRKW 4-pole (Male RSC 40/9 RSC 40/11 RSC 40/13,5 RSC 40/16 RSC 401/9 RSC 401/11 RSC 401/11 RSC 401/13,5	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/11 RKC 40/13,5 RKC 40/16 - - -	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16 RSC 501/6 RSC 501/9 RSC 501/11 RSC 501/11 RSC 501/13,5	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 16, external threads Straight, screw type, PG 9, internal threads Straight, screw type, PG 11, internal threads Straight, screw type, PG 13.5, internal threads Straight, screw type, PG 16, internal threads	RSWRKW 4-pole (Male RSC 40/9 RSC 40/11 RSC 40/13,5 RSC 40/16 RSC 401/9 RSC 401/11 RSC 401/11 RSC 401/13,5	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/11 RKC 40/13,5 RKC 40/16 - - -	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16 RSC 501/6 RSC 501/9 RSC 501/11 RSC 501/11 RSC 501/13,5	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 14, external threads Straight, screw type, PG 15, external threads Straight, screw type, PG 16, external threads Straight, screw type, PG 13, 5, internal threads Straight, screw type, PG 13, 5, internal threads Straight, screw type, PG 16, internal threads	RSWRKW 4-pole (Male RSC 40/9 RSC 40/11 RSC 40/13,5 RSC 40/16 RSC 401/13 RSC 401/11 RSC 401/11 RSC 401/13,5 RSC 401/16	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/11 RKC 40/13,5 RKC 40/16 - - - -	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16 RSC 501/9 RSC 501/11 RSC 501/11 RSC 501/13,5 RSC 501/16	(4 + PE) Female RKC 50/9 RKC 50/11 RKC 50/13,5 RKC 50/16 - - - -	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 13, 5, external threads Straight, screw type, PG 14, internal threads Straight, screw type, PG 15, internal threads Straight, screw type, PG 16, internal threads Straight,	RSWRKW 4-pole (Male RSC 40/9 RSC 40/13,5 RSC 40/13,5 RSC 40/16 RSC 401/16 RSC 401/13,5 RSC 401/11 RSC 401/11 RSC 401/16 RSF 40/11-02	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/13 RKC 40/13,5 RKC 40/16 - - - RKF 40/11-02	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16 RSC 501/19 RSC 501/11 RSC 501/13,5 RSC 501/16 RSC 501/16 RSF 50/11-04	(4 + PE) Female RKC 50/9 RKC 50/11 RKC 50/13,5 RKC 50/16 - - - - RKF 50/11-04	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 13, 5, external threads Straight, screw type, PG 14, internal threads Straight, screw type, PG 15, internal threads Straight, screw type, PG 16, internal threads Straight, screw type, PG 10, internal threads Straight,	RSWRKW 4-pole (Male RSC 40/9 RSC 40/13,5 RSC 40/13,5 RSC 40/16 RSC 401/16 RSC 401/13,5 RSC 401/11 RSC 401/11 RSC 401/16 RSF 40/11-02	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/13 RKC 40/13,5 RKC 40/16 - - - RKF 40/11-02	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16 RSC 501/19 RSC 501/11 RSC 501/13,5 RSC 501/16 RSC 501/16 RSF 50/11-04	(4 + PE) Female	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 13, 5, external threads Straight, screw type, PG 13, 5, internal threads Straight, screw type, PG 13, 5, internal threads Straight, screw type, PG 16, internal threads Straight, screw type, PG 17 Front mount, with stranded wire, PG 11 Front mount, with stranded wire, PG 13.5 Straight, external threads	RSWRKW 4-pole (Male RSC 40/9 RSC 40/13,5 RSC 40/13,5 RSC 401/11 RSC 401/13,5 RSC 401/11 RSC 401/13,5 RSC 401/16 RSF 40/11.02 RSF 40/11.02 RSF 40/13,5-02 RSF 40-02/*M	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/13 RKC 40/13,5 RKC 40/16 - - - - RKF 40/11-02 RKF 40/13,5-02	5-pole (Male RSC 50/9 RSC 50/13 RSC 50/13,5 RSC 501/11 RSC 501/13,5 RSC 501/11 RSC 501/13,5 RSC 501/16 RSF 50/11-04 RSF 50/13,5-04	(4 + PE) Female RKC 50/9 RKC 50/11 RKC 50/13,5 RKC 50/16 - - - - RKF 50/11-04	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 13.5, external threads Straight, screw type, PG 13.5, internal threads Straight, screw type, PG 13.5, internal threads Straight, screw type, PG 16, internal threads Straight, screw type, PG 17, internal threads Straight, screw type, PG 18.5, internal threads Straight, screw type, PG 19, internal threads Straight, screw type, PG 16, internal threads Straight, screw type, PG 13.5, internal threads Straight, screw type, PG 13.5 Straight, external threads Angled, external threads	RSWRKW 4-pole (Male RSC 40/9 RSC 40/13,5 RSC 40/13,5 RSC 40/16 RSC 401/11 RSC 401/11 RSC 401/11 RSC 401/13,5 RSC 401/16 RSF 40/11-02 RSF 40/11,5-02 RSF 40/13,5-02	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/13 RKC 40/13,5 RKC 40/16 - - - RKF 40/13,5 RKC 40/16 - - RKF 40/13,5 RKC 40/16 - - - - - - - - - - - - -	5-pole (Male RSC 50/9 RSC 50/1 RSC 50/13,5 RSC 50/16 RSC 501/1 RSC 501/11 RSC 501/11 RSC 501/11 RSC 501/11 RSC 501/16 RSF 50/11-04 RSF 50/13,5-04 RSF 50/13,5-04	(4 + PE) Female RKC 50/9 RKC 50/13 RKC 50/13,5 RKC 50/16 - - - RKF 50/11-04 RKF 50/11,5-04 RKF 50/13,5-04	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 13, 5, external threads Straight, screw type, PG 16, external threads Straight, screw type, PG 11, internal threads Straight, screw type, PG 13, 5, internal threads Straight, screw type, PG 16, internal threads Straight, screw type, PG 13, 5 Straight, external threads Straight, external threads Straight, external threads Straight, external threads Straight, internal threads Straight, internal threads	RSWRKW 4-pole (Male RSC 40/9 RSC 40/13 RSC 40/13,5 RSC 40/16 RSC 401/11 RSC 401/13,5 RSC 401/11 RSC 401/13,5 RSC 401/16 RSF 40/11-02 RSF 40/11,5-02 RSF 40/13,5-02 RSF 40-02/*M RSW 40-02/*M	20-03/* M (3 + PE) Female	5-pole (Male RSC 50/9 RSC 50/1 RSC 50/13,5 RSC 50/16 RSC 501/1 RSC 501/11 RSC 501/11 RSC 501/11 RSC 501/13,5 RSC 501/16 RSF 50/11-04 RSF 50/13,5-04 RSF 50/14,*M RSW 50-04/*M RSS 501-04/*M	(4 + PE) Female RKC 50/9 RKC 50/11 RKC 50/13,5 RKC 50/16 - - - RKF 50/11-04 RKF 50/11,5-04 RKF 50-04/*M RKW 50-04/*M RKK 501-04/*M	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design Field Attachables Straight, screw type, PG 9, external threads Straight, screw type, PG 11, external threads Straight, screw type, PG 13, 5, external threads Straight, screw type, PG 16, external threads Straight, screw type, PG 16, internal threads Straight, screw type, PG 13, 5, internal threads Straight, screw type, PG 16, internal threads Straight, external threads Angled, external threads Angled, internal threads Angled, internal threads	RSWRKW 4-pole (Male RSC 40/9 RSC 40/13,5 RSC 40/13,5 RSC 40/16 RSC 401/11 RSC 401/11 RSC 401/13,5 RSC 401/11 RSC 401/13,5 RSC 401/16 RSF 40/11-02 RSF 40/13,5-02 RSF 40/13,5-02	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/13 RKC 40/13,5 RKC 40/16 - - - RKF 40/13,5 RKC 40/16 - - RKF 40/13,5 RKC 40/16 - - - RKF 40/13,5 RKC 40/2 RKF 40/13,5-02 RK 40-02/*M RKW 40-02/*M	5-pole (Male RSC 50/9 RSC 50/1 RSC 50/13,5 RSC 50/16 RSC 501/1 RSC 501/11 RSC 501/11 RSC 501/11 RSC 501/11 RSC 501/16 RSF 50/11-04 RSF 50/13,5-04 RSF 50/13,5-04	(4 + PE) Female RKC 50/9 RKC 50/13 RKC 50/13,5 RKC 50/16 - - - RKF 50/11-04 RKF 50/11,5-04 RKF 50/13,5-04	
Angled-to-angled, external threads 7/8" Series 1. Choose Coding 2. Choose Design i. Choose Design	RSWRKW 4-pole (Male RSC 40/9 RSC 40/13 RSC 40/13,5 RSC 40/13,5 RSC 401/11 RSC 401/11 RSC 401/11 RSC 401/13,5 RSC 401/16 RSF 40/11-02 RSF 40/11-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/12,*M	20-03/* M (3 + PE) Female RKC 40/9 RKC 40/1 RKC 40/13,5 RKC 40/16 - - - RKF 40/11-02 RKF 40/11-02 RKF 40/13,5-02 RKF 40/13,5-02 RKF 40/13,5-02 RKF 40/13,5-02 RKF 40/12/*M RKW 401-02/*M	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16 RSC 501/11 RSC 501/19 RSC 501/11 RSC 501/13,5 RSC 501/16 RSF 50/11-04 RSF 50/13,5-04 RSF 50/13,5-04 RSF 50/14/*M RSW 501-04/*M RSW 501-04/*M	(4 + PE) Female RKC 50/9 RKC 50/1 RKC 50/11 RKC 50/13,5 RKC 50/16 - - - RKF 50/13,5-04 RKF 50/13,5-04 RKF 50/13,5-04 RKF 50/14,*M RKW 50-04/*M RKW 501-04/*M	
	RSWRKW 4-pole (Male RSC 40/9 RSC 40/9 RSC 40/13,5 RSC 40/13,5 RSC 40/16 RSC 401/11 RSC 401/11 RSC 401/11 RSC 401/13,5 RSC 401/13,5 RSC 401/16 RSF 40/11-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/13,5-02 RSF 40/-02/*M RSW 40-02/*M RSW 401-02/*M	20-03/* M (3 + PE) Female	5-pole (Male RSC 50/9 RSC 50/11 RSC 50/13,5 RSC 50/16 RSC 501/11 RSC 501/19 RSC 501/11 RSC 501/11 RSC 501/13,5 RSC 501/16 RSF 50/11-04 RSF 50/13,5-04 RSF 50/13,5-04 RSF 50/13,5-04 RSF 50/13,5-04 RSF 50/13,5-04/*M RSW 50-04/*M RSW 501-04/*M RSW 501-04/*M	(4 + PE) Female RKC 50/9 RKC 50/11 RKC 50/13,5 RKC 50/16 - - - RKF 50/11-04 RKF 50/11,5-04 RKF 50-04/*M RKW 50-04/*M RKK 501-04/*M	

Blue highlighted product features are available in different variants. Please see page 24 for more information.





ST Series



Rectangular Connectors ST Series

Rely on the original – market leading for decades

Conforming to IEC 60335, the latest standards for household appliances, the ST Series sets the standard in building automation applications. This makes it an ideal first choice for sun shades and roller blind systems.



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The Benefits

Prepared for any weather – especially designed to withstand the challenges of outdoor usages, e.g. rain, ozone and UV radiation

Easy to connect – low installation efforts lead to more ease of use and an efficient work flow

Easy to rely on – ideally suited for ruggedized, moving applications where vibrations and dust are commonplace

Markets

- Building automation
- Machine building
- Automation





Technical Information

es		3-pole (2 + PE)	4-pole (3 + PE)	5-pole (4 + PE)	6-pole (5 + Pl
	General Data				
×	No. of Pins	2 + PE	3 + PE	4 + PE	5 + PE
	Cable-Gland (field attachable)	PG 7	PG 11	Male: M16x1.5 Female: PG 11	PG 11
-	Cable-Range (field attachable)	ø 4.0 mm to 6.5 mm	ø 6.0 mm to 10.0 mm	ø 6.0 mm to 10.0 mm	ø 8.0 mm to 10.0 n
_	Terminal Type (field attachable)	Screw	Screw	Screw	Crimp
	Conductor Size (field attachable)	max. 1.5 mm ²	max. 1.5 mm ²	max. 1.5 mm ²	max. 1.0 mm ²
_	Cable Material (molded)	H05RR	H05RR	H05RR	_
-	Conductor Size (molded)	0.75 mm²	0.75 mm²	0.75 mm ²	_
_	Housing Color	Grey, Black	Grey, Black	Grey, Black	Grey, Black
	Electrical Data				
)	Operating Voltage	230 V AC/DC	400 V AC/230 V DC	400 V AC/230 V DC	400 V AC/230 V D
_	Current	Molded: 10 A AC/DC Field attachable: 16 A AC/6 A DC Receptacle: 16 A AC/6 A DC	Molded: 10 A AC/DC Field attachable: 16 A AC/10 A DC Receptacle: 16 A AC/10 A DC	10 A AC/10 A DC	10 A DC/6 A AC
	Environmental Data				
* -	Ambient Temperature*	-30 °C to +90 °C	-30 °C to +90 °C	-30 °C to +90 °C	-30 °C to +90 °C
	Protection Degree	IP54	IP54	IP54	IP54
-	Approvals	Molded: VDE Field attachable: VDE, UL, SEV Receptacle: VDE, UL, SEV	Molded: VDE Field attachable: VDE, UL, SEV Receptacle: UL, VDE	Molded: VDE Field attachable: VDE, UL, SEV	VDE, SEV

* Notice derating and cable temperature







Product Configurator

Cordsets	S T A K	3 K	0 7 5	S I	V O	2 M	G R E Y
Gender & Design		$\uparrow \uparrow$		1		1	
STAS = Male cordset, STAK = Female cordset							
Pin Assignment							
2 = 3-pole (2 + PE) 3 = 4-pole (3 + PE) 4 = 5-pole (4 + PE)							
Assembly Design Indic	ator						
K = Molded							
Conductor Size							
075 = 0.75 mm^2							
Safety Clamp (availabl = Without safety b SI = With safety brac	racket						
Flammability Class							
□ = UL 94 HB V0 = UL 94-V0							
Cable Length							
2M = 2 meter 5M = 5 meter 10M = 10 meter	Other cable lengths availab Please contact: icos-sales						
Housing Color							
GREY = Grev housing							

GREY = Grey housing BLACK = Black housing

Field Attachables and Receptacles S T A S 3 N V O G R E Y **Gender & Design** STAS = Male connector, field attachable, straight STASEI = Male connector, receptacle, front mount STASAP = Male connector, receptacle, panel mount STAK = Female connector, field attachable, straight STAKEI = Female connector, receptacle, front mount STAKAP = Female, receptacle, panel mount **Pin Assignment & Additonal Features** 2 = 3-pole (2 + PE) 20 = 3-pole (2 + PE), strain relief 200 = 3-pole (2 + PE), strain relief, coding slot **3** N = 4-pole (3 + PE)= 5-pole (4 + PE) 4 N 5 = 6-pole (5 + PE) **Flammability Class V**0 = UL 94-V0 **Housing Color**

GREY = Grey housing BLACK = Black housing





Order Overview

ST Series	3-pole (2 + PE)	4-pole (3 + PE)	
	Male	Female	Male	Female	
1. Choose Coding 🛶		(maintain			
2. Choose Design					
Field Attachables					
Straight	STAS 2 V0 Grey	STAK 2 VO Grey	-	_	
Straight with strain relief	STAS 20 VO Grey	STAK 20 VO Grey	STAS 3 N VO Grey	STAK 3 N VO Grey	
Straight with strain relief and coding slot	STAS 200 VO Grey	TAS 200 VO Grey STAK 200 VO Grey		_	
Receptacles					
Panel mount, screw type	STASAP 2 B VO Grey	STAKAP 2 VO Grey	STASAP 3 N VO Grey	STAKAP 3 N VO Grey	
Panel mount, screw type with coding slot	STASAP 200 VO Grey	STAKAP 200 VO Grey	-	_	
Panel mount, crimp type	-	-	-	_	
Front mount with flange, screw type	STASEI 2 VO Grey	STAKEI 2 VO Grey	STASEI 3 N VO Grey	STAKEI 3 N VO Grey	
Front mount with flange, screw type with coding slot	STASEI 200 VO Grey	STAKEI 200 VO Grey	-	_	
Front mount with flange, crimp type	-	-	-	_	
Single-Ended Cordsets					
Straight	-	-	-	STAK 3 K 075 V0 * M Gre	
Straight with safety bracket	STAS 2 K 075 SI V0 * M Grey	-	STAS 3 K 075 SI V0 * M Grey	_	
Accessories					
Safety bracket	STAS	SI 2	STASI 3		
ST Series	5-pole (Male	4 + PE) Female	6-pole (Male	5 + PE) Female	
				7 77 10	
1. Choose Coding					
2. Choose Design					
2. Choose Design Field Attachables					
Choose Design Field Attachables Straight					
2. Choose Design Field Attachables Straight Straight with strain relief	- STAS 4 N VO Grey	STAK 4 N VO Grey	- STAS 5 VO Grey	- STAK 5 V0 Grey	
Choose Design Field Attachables Straight Straight with strain relief Straight with strain relief and coding slot	- STAS 4 N VO Grey -	– STAK 4 N VO Grey	- STAS 5 VO Grey -	– STAK 5 VO Grey	
Choose Design Field Attachables Straight Straight with strain relief Straight with strain relief and coding slot Receptacles	-	-	-	-	
L Choose Design Field Attachables Straight Straight with strain relief Straight with strain relief and coding slot Receptacles Panel mount, screw type	- STAS 4 N VO Grey		- STAS 5 V0 Grey		
L 2. Choose Design Field Attachables Straight Straight with strain relief Straight with strain relief and coding slot Receptacles Panel mount, screw type Panel mount, screw type with coding slot	-	-	-		
2. Choose Design Field Attachables Straight Straight with strain relief Straight with strain relief and coding slot Receptacles Panel mount, screw type Panel mount, screw type with coding slot Panel mount, crimp type	-	-	STASAP 5 V0 Grey	– – – STAKAP 5 VO Grey	
2. Choose Design ield Attachables Straight Straight with strain relief Straight with strain relief and coding slot Receptacles Panel mount, screw type Panel mount, screw type with coding slot Panel mount, crimp type Front mount with flange, screw type		- - - - -	STASAP 5 V0 Grey -	– – STAKAP 5 VO Grey –	
2. Choose Design Field Attachables Straight Straight with strain relief Straight with strain relief and coding slot Receptacles Panel mount, screw type Panel mount, screw type Panel mount, crimp type Front mount with flange, screw type with coding slot Front mount with flange, screw type with coding slot	- - - - - -	- - - - - -	STASAP 5 V0 Grey	– – STAKAP 5 VO Grey –	
L 2. Choose Design Field Attachables Straight Straight with strain relief Straight with strain relief and coding slot Receptacles Panel mount, screw type Panel mount, screw type Panel mount, crimp type Front mount with flange, screw type with coding slot Front mount with flange, screw type with coding slot Front mount with flange, crimp type		- - - - -	STASAP 5 V0 Grey -	– – STAKAP 5 VO Grey –	
	- - - - - -	- - - - - - - - -	STASAP 5 V0 Grey	– – STAKAP 5 VO Grey –	
2. Choose Design Field Attachables Straight Straight with strain relief Straight with strain relief and coding slot Receptacles Panel mount, screw type Panel mount, screw type with coding slot Panel mount, crimp type Front mount with flange, screw type with coding slot Front mount with flange, crimp type Straight		– – – – – – – – – – – – – – – – – – –	STASAP 5 V0 Grey STASEI 5 V0 Grey	– – STAKAP 5 VO Grey –	
		- - - - - - - - -	STASAP 5 V0 Grey STASEI 5 V0 Grey	_ 	
		– – – – – – – – – – – – – – – – – – –	STASAP 5 V0 Grey STASEI 5 V0 Grey	- STAKAP 5 VO Grey - STAKEI 5 VO Grey	

Blue highlighted product features are available in different variants. Please see page 28 for more information.







M23 Series



Circular Connectors M23 Series

A perfect match – Power and Signal transmission in one interfaces

The powerful M23 Series makes it safe and easy to connect actuator/ sensor and fieldbus modules. By virtue of their robust features, these connectors are ideal for applications in harsh industrial environments.



The Benefits

Braving any temperature – well-suited for climatic peaks from climate chambers to ovens

Efficient solution – due to fast, multi-pole connection interfaces; ideal for automation applications

Flexible solutions – including straight and angled molded as well as field attachable versions

Markets

- Machine building
- Automation
- Automotive
- Infrastructure





Technical Information

Series	12-pole	19-pole		
General Data				
No. of Pins	Molded: 11 + PE Field attachable: 12	Molded: 18 + PE Field attachable: 19		
Cable-Gland (field attachable)	PG 13.5	PG 13.5		
Cable-Range (field attachable)	ø 10.0 mm to 14.0 mm	ø 10.0 mm to 14.0 mm		
Terminal Type (field attachable)	Solder	Solder		
Conductor Size (field attachable)	max. 1 mm ²	max. 16X1 mm ² /3X1.5 mm ²		
Cable Material (molded)	PUR	PUR		
Conductor Size (molded)	8G0.5 mm²/3X1 mm²	16G0.5 mm ² /3X1.0 mm ²		
Housing Color	Field attachable: Silver Molded: Black	Field attachable: Silver Molded: Black		
Electrical Data				
Operating Voltage	120 V AC/DC	120 V AC/DC		
Current	8 A AC/DC	Field attachable: 16 x 8 A/3 x 10 A AC/DC Molded: 16 x 8 A/3 x 10 A AC/DC		
Environmental Data				
Ambient Temperature*	Field attachable: -40 °C to +125 °C Molded: -25 °C to +80 °C	Field attachable: -40 °C to +125 °C Molded: -25 °C to +80 °C		
Protection Degree	Field attachable: IP65 Molded: IP67	Field attachable: IP65 Molded: IP67		
Approvals	_	_		

* Notice derating and cable temperature





Product Configurator

RSUF = Male cordset, RSWUF = Male cordset, RKU = Female cords RKWU = Female cords	molded, straight molded, straight, external thread (fixed) molded, external thread, 90° angled, external thread (fixed) et, molded, straight et, molded, 90° angled et, molded, straight, grounded screw (19-pole only)	R K U	12-	2 5 6 / 5 M
RKWUE = Female cords Pin Assignment 12 = 12-pole (11 + PE) 19 = 19-pole (18 + PE)	et, molded, 90° angled, grounded screw (19-pole only)			
	- 3X1.0 mm², PUR, Black - 3X1.0 mm², TPE, Yellow, PLTC			
	3X1.0 mm ² , PUR, Black 3X1.0 mm ² , TPE, Yellow, PLTC Other cable styles available upon request. Please contact: icos-sales@belden.com			
Cable Length 5M = 5 meter 10M = 10 meter 15M = 15 meter 20M = 20 meter	Other cable lengths available upon request. Please contact: icos-sales@belden.com			
Field Attachables	;	RK	C 1 2	0 / 1 3 , 5

Gender & Design

- RSC = Male connector, field attachable, straight RSCW = Male connector, field attachable, 90° angled RSC-F = Male connector, field attachable, straight, external thread (fixed)

- **RKC** = Female connector, field attachable, straight RKCW = Female connector, field attachable, 90° angled

Pin Assignment

120 = 12-pole

190 = 19-pole

Cable Gland

13,5 = PG 13.5



Order Overview

M23 Series	12-pole (11 + PE)		19-pole (18 + PE)		
	Male	Female	Male	Female	
1. Choose Coding		(····)			
Field Attachables				1	
Straight PG 13.5	RSC 120/13,5	RKC 120/13,5	RSC 190/13,5	RKC 190/13,5	
Straight, external thread (fixed) PG 13.5	RSC-F-120/13,5	-	RSC-F-190/13,5	-	
Angled PG 13.5	_	RKCW 120/13,5	RSCW 190/13,5	RKCW 190/13,5	
Single-Ended Cordsets					
Straight	RSU 12-256/* M	RKU 12-256/* M	RSU 19-242/* M	RKU 19-242/* M	
Straight, external thread (fixed)	RSUF 12-256/* M	-	RSUF 19-242/* M	-	
Straight, grounded screw connection	-	-	-	RKUE 19-242/* M	
Angled	RSWU 12-256/* M	RKWU 12-256/* M	RSWU 19-242/* M	RKWU 19-242/* M	
Angled, external thread (fixed)	RSWUF 12-256/* M	_	RSWUF 19-242/* M	-	
Angled, grounded screw connection	_	_	-	RKWUE 19-242/* M	
Double-Ended Cordsets					
Straight-to-straight	RSU 12-RKU 12-256/* M		RSU 19-RKU 19-242/* M		
Straight-to-straight (Male with fixed external thread)	RSUF 12-RKU 12-256/* M		RSUF 19-RKU 19-242/* M		
Straight-to-angled	RSU 12-RKWU 12-256/* M		RSU 19-RKWU 19-242/* M		
Straight-to-angled (Male with fixed external thread)	RSUF 12-RKWU 12-256/* M		RSUF 19-RKWU 19-242/* M		
Angled-to-angled	RSWU 12-RKWU 12-256/* M		RSWU 19-RKWU 19-242/* M		
Accessories					
Spanner (for field attachable version)	ZMS 19				
Safety cab (for external thread version)	ZVK 2				

Blue highlighted product features are available in different variants. Please see page 32 for more information.









Circular Connectors Mini Power Series*

Full power ahead - for your industrial automation processes

With the Mini Power connectivity and power solution, you can easily set up, maintain or expand your system, while maximizing uptime in harsh conditions.



The Benefits

Maximum output - enabling the transmission of up to 30 A per contact

Long-distance power – works in environments with wet or dry areas or extreme temperatures

Time-saving - ready-to-install already terminated cordsets and connectors

Markets

- Machine building
- Automation
- Transportation
- Automotive

*only available in the US

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Technical Information

Mini Power Series		A-Size 3-pole	A-Size 4-pole	D-Size 3-pole	D-Size 4-pole
Ŧ	General Data				
	No. of Pins	3 (2 + PE)	4 (3 + PE)	3 (2 + PE)	4 (3 + PE)
	Cable-Gland (field attachable)	-	-	-	-
	Cable-Range (field attachable)	-	-	-	-
	Terminal Type (field attachable)	-	-	-	-
	Conductor Size (field attachable)	-	-	-	-
	Cable Material (molded)	TPE	TPE	TPE	TPE
	Conductor Size (molded)	14 AWG	14 AWG	10 AWG	10 AWG
	Housing Color	Black, Red	Black	Black, Red	Black
	Electrical Data			·	
	Operating Voltage	600 V AC/DC	600 V AC/DC	600 V AC/DC	600 V AC/DC
	Current	18 A AC/DC	15 A AC/DC	30 A AC/DC	25 A AC/DC
white.	Environmental Data				
义称	Ambient Temperature*	-30 °C to +90 °C			
	Protection Degree	IP67, IP68	IP67, IP68	IP67, IP68	IP67, IP68
	Approvals	UL	UL	UL	UL

* Notice derating and cable temperature





Product Configurator

Cordsets	R S P A 3 - 8 0 2 / 5 M -
Gender & Design	$\uparrow \uparrow \uparrow \uparrow \uparrow \uparrow$
RSP = Male cordset, 1 3/8", molded, straight RSPA = Male cordset, 7/8", molded, straight RSWP = Male cordset, 1 3/8", molded, 90° angled RSWPA = Male cordset, 7/8", molded, 90° angled RKP = Female cordset, 1 3/8", molded, straight RKPA = Female cordset, 7/8", molded, straight RKWP = Female cordset, 1 3/8", molded, 90° angled	ed
Pin Assignment	
3 = 3-pole (2 + PE) 4 = 4-pole (3 + PE)	
Cable Style	
D-Size = 1 3/8" A-Size = 7/8	3"
	14 AWG, TPE, BlackOther cable styles available upon request.14 AWG, TPE, BlackPlease contact: icos-sales@belden.com
Cable Length	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Other cable lengths available upon request. Please contact: icos-sales@belden.com
Housing Color	
 = Black housing R = Red housing 	
Receptacles	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M
Receptacles Gender & Design	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M A
-	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M A A A A A A
Gender & Design RSFP = Male cordset, 1 3/8", molded, straight RSFPA = Male cordset, 7/8", molded, straight RKFP = Female cordset, 1 3/8", molded, straight	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M
Gender & Design RSFP = Male cordset, 1 3/8", molded, straight RSFPA = Male cordset, 7/8", molded, straight RKFP = Female cordset, 1 3/8", molded, straight RKPFA = Female cordset, 7/8", molded, straight	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M
Gender & DesignRSFP= Male cordset, 1 3/8", molded, straightRSFPA= Male cordset, 7/8", molded, straightRKFP= Female cordset, 1 3/8", molded, straightRKPFA= Female cordset, 7/8", molded, straightPin Assignment33= 3-pole (2 + PE)	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M
Gender & Design RSFP = Male cordset, 1 3/8", molded, straight RSFPA = Male cordset, 7/8", molded, straight RKFP = Female cordset, 1 3/8", molded, straight RKPFA = Female cordset, 7/8", molded, straight RKPFA = Female cordset, 7/8", molded, straight Pin Assignment 3 = 3-pole (2 + PE) 4 = 4-pole (3 + PE)	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M
Gender & Design RSFP = Male cordset, 1 3/8", molded, straight RSFPA = Male cordset, 7/8", molded, straight RKFP = Female cordset, 1 3/8", molded, straight RKFFA = Female cordset, 7/8", molded, straight RKPFA = Female cordset, 7/8", molded, straight Pin Assignment 3 = 3-pole (2 + PE) 4 = 4-pole (3 + PE) Thread Size 1/2 NPT = 1/2 NPT thread	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M
Gender & DesignRSFP= Male cordset, 1 3/8", molded, straightRSFPA= Male cordset, 7/8", molded, straightRKFP= Female cordset, 1 3/8", molded, straightRKPFA= Female cordset, 7/8", molded, straightRKPFA= Female cordset, 7/8", molded, straightPin Assignment33= 3-pole (2 + PE)4= 4-pole (3 + PE)Thread Size1/2 NPT= 1/2 NPT thread3/4 NPT= 3/4 NPT thread (1 3/8" only)	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M
Gender & Design RSFP = Male cordset, 1 3/8", molded, straight RSFPA = Male cordset, 7/8", molded, straight RKFP = Female cordset, 1 3/8", molded, straight RKPFA = Female cordset, 7/8", molded, straight RKPFA = Female cordset, 7/8", molded, straight Pin Assignment 3 = 3-pole (2 + PE) 4 = 4-pole (3 + PE) Thread Size 1/2 NPT = 1/2 NPT thread 3/4 NPT = 3/4 NPT thread (1 3/8" only) Cable Style	R S F P 3 - 1 / 2 N P T - 8 0 / 0 . 5 M .
Gender & DesignRSFP= Male cordset, 1 3/8", molded, straightRSFPA= Male cordset, 7/8", molded, straightRKFP= Female cordset, 1 3/8", molded, straightRKPFA= Female cordset, 7/8", molded, straightRKPFA= Female cordset, 7/8", molded, straight Pin Assignment33 = 3-pole (2 + PE)4= 4-pole (3 + PE) Thread Size1/2 NPT = 1/2 NPT thread3/4 NPT = 3/4 NPT thread (1 3/8" only) Cable StyleD-Size = 1 3/8 " 800 = 3G10 AWG, TPE, Black	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M Image: Constraint of the second se
Gender & DesignRSFP= Male cordset, 1 3/8", molded, straightRSFPA= Male cordset, 7/8", molded, straightRKFP= Female cordset, 1 3/8", molded, straightRKPFA= Female cordset, 7/8", molded, straightPin Assignment 3 3= 3-pole (2 + PE)4= 4-pole (3 + PE)Thread Size1/2 NPT= 1/2 NPT thread3/4 NPT= 3/4 NPT thread (1 3/8" only)Cable StyleD-Size = 1 3/8"800= 3G10 AWG, TPE, Black803= 4G10 AWG, TPE, Black	R S F P 3 - 1 / 2 N P T - 8 0 0 / 0 . 5 M
Gender & DesignRSFP= Male cordset, 1 3/8", molded, straightRSFPA= Male cordset, 7/8", molded, straightRKFP= Female cordset, 1 3/8", molded, straightRKPFA= Female cordset, 7/8", molded, straightRKPFA= Female cordset, 7/8", molded, straightPin Assignment 3 3= 3-pole (2 + PE)4= 4-pole (3 + PE)Thread Size1/2 NPT = 1/2 NPT thread3/4 NPT = 3/4 NPT thread (1 3/8" only)Cable StyleD-Size = 1 3/8"800= 3G10 AWG, TPE, Black803= 4G10 AWG, TPE, Black802= 3G14 AWG, TPE, Black	Other cable styles available upon request.



Order Overview

Mini Power Series	D-Size 3-pole (2 + PE)		D-Size 4-pole (3 + PE)		
	Male Female		Male	Female	
1. Choose Coding 🛶					
2. Choose Design					
Receptacles					
Front mount 1/2 NPTF	RSFP 3-1/2NPT-800/*M	RKFP 3-1/2NPT-800/*M	RSFP 4-1/2NPT-803/*M	RKFP 4-1/2NPT-803/*M	
Front mount 3/4 NPTF	RSFP 3-3/4NPT-800/*M	RKFP 3-3/4NPT-800/*M	RSFP 4-3/4NPT-803/*M	RKFP 4-3/4NPT-803/*M	
Single-Ended Cordsets				1	
Straight	RSP 3-800/*M	RKP 3-800/*M	RSP 4-803/*M	RKP 4-803/*M	
Angled	RSWP 3-800/*M	RKWP 3-800/*M	RSWP 4-803/*M	RKWP 4-803/*M	
Double-Ended Cordsets					
Straight-to-straight	RSP 3-RK	P 3- <mark>800</mark> /*M	RSP 4-RKP 4-803/*M		
Straight-to-angled	RSP 3-RKW	/P 3- <mark>800</mark> /*M	RSP 4-RKWP 4-803/*M		
Angled-to-straight	RSWP 3-R	(P 3- <mark>800</mark> /*M	RSWP 4-RKP 4-803/*M		
Angled-to-angled	RSWP 3-RK	WP 3- <mark>800</mark> /*M	RSWP 4-RKWP 4-803/*M		
Straight-to-Straight D-to-A-Size	RSP 3-RKPA 3-802/*M		RSP 4-RRKPA 4-805/*M		
Accessories					
Drop Tee Male-Female-Female	TAP-P 3 (-R)		TAP-P 4		
D-to-A-Size Reducer	RSP 3-R	KPA 3 (-R)	RSP 4-RKPA 4		
Reducing Drop Tee Male-Female-Female	TAP-PA 3 (-R)		TAP-PA 4		
Reducing Cable Drop Tee Male-Female-Female	TAP-PA 3-802/*M (-R)		TAP-PA 4-804/*M		
Mini Power Series	A-Size 3-pole (2 + PE)		A-Size 4-pole (3 + PE)		
	Male	Female	Male	Female	
1. Choose Coding 🛶					
		•		• •	
2. Choose Design				••	
Receptacles					
Front mount 1/2 NPTF	RSFPA 3-1/2NPT-802/*M	RKFPA 3-1/2NPT-802/*M	RSFPA 4-1/2NPT-805/*M	RKFPA 4-1/2NPT-805/*N	
Front mount 3/4 NPTF	-	-	-	_	
Single-Ended Cordsets					
Straight	RSPA 3-802/*M	RKPA 3-802/*M	RSPA 4-805/*M	RKPA 4-805/*M	
Angled	RSWPA 3-802/*M	RKWPA 3-802/*M	RSWPA 4-805/*M	RKWPA 4-805/*M	
Double-Ended Cordsets					
Straight-to-straight	RSPA 3-RKPA 3-802/*M		RSPA 4-RKPA 4-805/*M		
Straight-to-angled	RSPA 3-RKWPA 3-802/*M		RSPA 4-RKWPA 4-805/*M		
Angled-to-straight	RSWPA 3-RKPA 3-802/*M		RSWPA 4-RKPA 4-805/*M		
Angled-to-angled	RSWPA 3-RKWPA 3-802/*M		RSWPA 4-RKWPA 4-805/*M		
Straight-to-Straight D-to-A-Size	RSP 3-RKF	PA 3-802/*M	RSP 4-RKP	A 4-805/*M	
Accessories					
Drop Tee Male-Female-Female	TAP-A 3 (-R)			-A 4	

RSP 3-RKPA 3 (-R)

TAP-PA 3 (-R)

TAP-PA 3-802/*M (-R)

Blue highlighted product features are available in different variants. Please see page 36 for more information.

D-to-A-Size Reducer

Reducing Drop Tee Male-Female-Female

Reducing Cable Drop Tee Male-Female-Female

RSP 4-RKPA 4

TAP-PA 4

TAP-PA 4-804/*M





Economical connectivity solutions off the shelf and custom-made

The Connectivity Center

When it comes to automation technologies, we are the experts for quality connectors and wiring components. With an extensive Hirschmann Industrial Connector and Lumberg Automation Connectivity product portfolio, we can offer you a wide range of standard solutions.

Require a specialized solution that does not yet exist or have a problem with your current solution?

Then you simply get in touch with our Connectivity Center: the platform for custom-made solutions developed specifically for your needs. By combining all of our knowledge and internal resources, we will deliver the exact solution you need to smooth out your production process, warrant continuity and reduce Total Cost of Ownership.

The Best Solutions ... Fast!

With a dedicated team of experts, we can meet even the most demanding deadlines and technical challenges. Every month, the Connectivity Center delivers approximately 100 customized solutions for customers worldwide. Some within just two weeks, hardly ever longer than three months. All solutions are guaranteed to have outstanding compact design, chemical resistance as well as high mechanical and electrical loading capacity.





Combined Strength of Three Belden Brands

Belden is a leader in the design, manufacture, and marketing of signal transmission products for data networking and a wide range of industrial connectivity products. Whenever necessary we combine the strength of all three powerful Belden brands: Belden, Hirschmann and Lumberg Automation.



Pushing Technology, Meeting Standards



As a globally active technology leader we can translate the latest trends, insights and developments into custom-fit solutions that give you the competitive advantage you are looking for. Thanks to extensive prototyping and intensive testing in our own facilities, you can be sure national and international standards are met. You can put our solutions straight to work.







About Belden

Belden Inc., a global leader in high quality, end-to-end signal transmission solutions, delivers a comprehensive product portfolio designed to meet the mission-critical network infrastructure needs of industrial, enterprise and broadcast markets. With innovative solutions targeted at reliable and secure transmission of rapidly growing amounts of data, audio and video needed for today's applications, Belden is at the center of the global transformation to a connected world. Founded in 1902, the company is headquartered in St. Louis, USA, and has manufacturing capabilities in North and South America, Europe and Asia. For more information, visit us at: www.lumberg-automationusa.com 1.800.Belden1

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SHORT-FORM-POWER_CA_ICOS_LUM_1117_ENG

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