

Specification		powerCON TRUE1	powerCON Series	32 A powerCON Series
Electrical				
Number of contacts:	2 + PE	●	●	●
Rated current per contact:		20 A rms ¹⁾	20 A rms	32 A rms
Rated voltage:	250 V ac	●	●	●
Dielectric strength:	4 KV dc	●	●	●
Contact resistance:	≤ 3 mΩ	●	●	●
Insulation resistance after damp heat test (IEC 68-2-30):	> 0.1 GΩ	●	●	●
Mechanical				
Retention method:	Quick lock	●	●	●
Cable O.D. range:		6 - 12 mm	5 - 15 mm	8 - 20 mm
Wiring:	Cable: screw type terminals	●	●	●
		2.5 mm ² / 12 AWG	2.5 mm ² / 14 AWG	2.5-6 mm ² / 14-10 AWG
	or soldering	●	●	●
	Chassis: flat tabs for Faston (4.8 x 0.5 mm) (6.35 mm x 0.8 mm)	-	●	●
		●	-	-
	or soldering	●	●	●
Solderability complies with IEC 68-2-20:		●	●	-
Material				
Housing cable connector:		PA 6 30% GR	PA 6 30% GR	PA 6 30% GR
Housing receptacle:		PA 6.6 30% GR	PA 6.6 30% GR	PA 6.6 25% GR
Insert:		PA 6.6 30% GR	PA 6 30% GR	PA 6.6 25% GR
Contacts:	Female:	CuSn0.2	CuZn39Pb3	CuZn39Pb3
	Male:	CuNi1Si0.2	CuNi1Si0.2	CuSn0.2
Contact surface:		2 μm Ag plated	4 μm / 2 μm Ag plated	4 μm Ag
Chuck POM:		●	●	●
Environmental				
Flammability:	UL 94 HB	-	●	● plug housing
	UL 94 V-0	●	●*	●*
Temperature range:	-30°C to +80°C	●	●	●
Protection class (mated):		IP 65	IP 20	IP 2X unmated
Safety Requirements EN / IEC61984:		-	●	●
	IEC 60320:	●	-	-
¹⁾ : Appliance coupler acc. IEC 60320 limited to 16 A ac * : Receptacle FASTON® is a trademark of AMP Inc.				