YSC 5015-Type Power Connectors for Film, Lighting and Broadcast Equipment

MIL-C-5015 type · 6, 7 or 9 contacts · up to 80 A · IP67



Type	MIL-C-5015 type, threaded
Contacts	6, 7 or 9
Current	13 / 23 / 80 A
Test voltage	Up to 2800 V
Ingress protection	IP67
Temperature	–55 to +125 °C

Key features

- MIL-C-5015-type threaded coupling
- Solder-cup contacts in sizes 16, 12 and 4 (13, 23 and 80 A)
- IP67 sealing
- Plugs, square-flange receptacles and round-flange receptacles
- Gold- or silver-plated contacts; alternate key position W
- Type II version with backshell and zinc-plated olive-drab or black shells
- Contact counts, layouts and cable exits can be customized

Specifications

Electrical

Parameter	Value	Condition
YSC-006 / YSC-007	2800 V test; 1250 VDC / 900 VAC working	
YSC-009	2000 V test; 700 VDC / 500 VAC working	
Insulation resistance	≥ 5000 MΩ	Room temperature

Mechanical

Parameter	Value	Condition
Coupling	Threaded	
Durability	500 mating cycles	
Cable exit	Ø18–25 mm cable (types 006 and 007 with backshell)	

Environmental

Parameter	Value	Condition
Operating temperature	–55 to +125 °C	
Relative humidity	Up to 98 % at 25 °C	

Environmental		
Parameter	**Value**	**Condition**
Low pressure	2 kPa	
Ingress protection	IP67	

Versions

Series code	Version	Notes
YSC-...T	Plug	
YSC-...Z	Square-flange receptacle	
YSC-...ZY / YSC-...Y	Round-flange receptacle	

Contact sizes and current ratings

Contact size	Engaging diameter	Contact resistance	Current rating	Wire size
16	1.6 mm	≤ 21 mV drop at 20 A	13 A	Solder cup Ø1.68 mm
12	2.4 mm	≤ 20 mV drop at 35 A	23 A	Solder cup Ø2.9 mm
4	5.7 mm	≤ 10 mV drop at 110 A	80 A	Solder cup Ø7.2 mm

How to order

YSC-[contacts][type][receptacle][key][plating][version]

Example: **YSC-007TWBG** — Type I plug, 7 contacts, alternate key W, gold-plated contacts

Code segment	Options
Contacts	**006 / 007 / 009** 6, 7 or 9 contacts
Type	**T** Plug
Type	**Z** Receptacle
Receptacle	**(none)** Square flange
Receptacle	**Y** Round flange
Key	**(none)** N
Key	**W** Alternate key
Contact plating	**B** Gold
Contact plating	**(none)** Silver
Version	**G, G1, G2 …** Modification code

Type II: YSC-[006|007][W|Q][T|Y|Z][J|K][P][W] — W olive-drab or Q black zinc-plated shell, J pin or K socket contacts, P with backshell.

YSC-009 has the same shell and dimensions as YSC-006.

Standards

- **MIL-C-5015 (type)** — Built to the MIL-C-5015 circular connector interface and company specification Q/3E 20025-2007.

Request a quote or drawing: https://sinoxh.com/request-a-quote/?product=YSC