samtec

ACCLIMATE™

ACR–16–01–G–00.25–S–S1–P–1

ACR–16–02–G–00.25–S–S1–M–1

ACR-16 SERIES

IP68 SEALED 16 mm PANEL ASSEMBLY

SPECIFICATIONS

Mates with:
ACP-16, ACPK-16

For complete specifications see
www.samtec.com?ACR-16

Terminal Material:
Brass
Contact Material:
Brass/BeCu
Operating Temp Range:
–S1: -10 °C to +80 °C
–BC: -10 °C to +105 °C
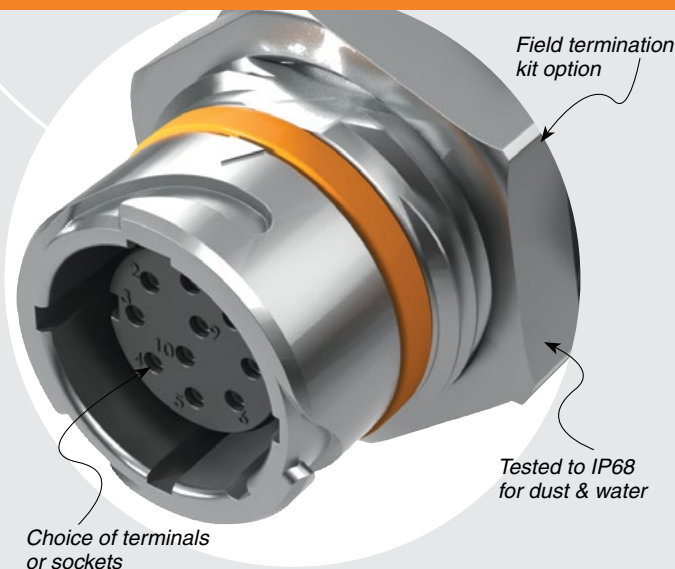**Housing:**
–P: Thermoplastic
–M: Zinc Alloy
RoHS Compliant:
Yes

CURRENT RATING

LEAD STYLE	PINS POWERED	CCC per PIN
–01	14	1.3 A
–02	10	2.6 A
–06	2 (plus 8 signal pins powered @ 1A)	11.6 A

For general reference only. See www.samtec.com?ACR-16 for complete test data or contact AccliMate@samtec.com for applications requiring higher current carrying capacity.

Solutionator
DESIGN IN A MINUTE

- Easy sealed cable solutions
- Build a standard or flexible custom online
- Calculate performance, current rating, voltage drop
- Live chat with AccliMate™ engineers for custom options
- Variety of shells, pin sizes, signal, power, I/O interfaces
- Assembly and field kits available

Field termination kit option

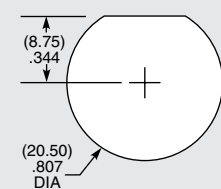*Tested to IP68 for dust & water*

Choice of terminals or sockets

DUST CAPS

- DCA-ACR-16-M-X (Metal)
- DCA-ACR-16-P-X (Plastic)

- Visit sealedio.samtec.com for a complete list of sealed systems

PANEL OPENING

(8.75) .344

(20.50) .807 DIA

Note:
Some lengths, styles and options are non-standard, non-returnable.

ACR	16	LEAD STYLE	PLATING	LENGTH	END 1	END 2	HOUSING MATERIAL	KEYING OPTIONS

–01
= 0.5 mm DIA (14) terminals or sockets (28 AWG)

–02
= 1.0 mm DIA (10) terminals or sockets (24 AWG)

–06
= 1.5 mm DIA (2) terminals or sockets (16 AWG) + 0.5 mm DIA (8) terminals or sockets (28 AWG)

–G
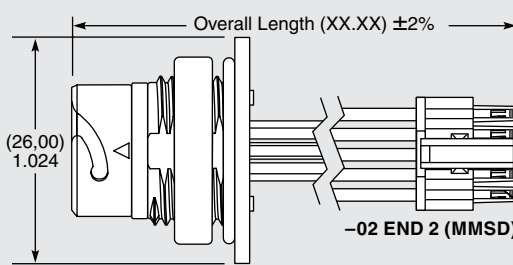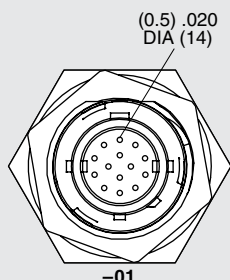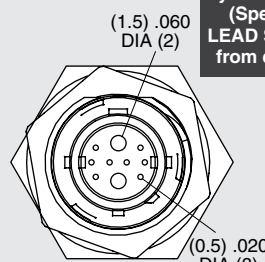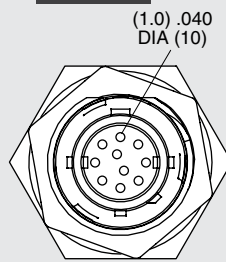= 10 µ" (0.25 µm) Gold over 50 µ" (1.27 µm) Ni on contact

–"XX.XX"
= Length in meters (00.20 m min. to 50.00 m max.) Standard lengths
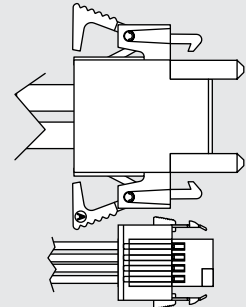
–T
= Terminal

–S
= Socket

–BC
= Blunt Cut

–S1
= Connector determined by lead style. (Specify LEAD STYLE from chart)

–P
= Plastic

–M
= Metal

–1
= Orange, 45°

(1.0) .040 DIA (10)

–02

(1.5) .060 DIA (2)

(0.5) .020 DIA (8)

–06

–01 END 2 (SFSD)

LEAD STYLE	-S1 END 2	MATES WITH -S1
–01	SFSD (28 AWG)	TFM
–02	MMSD (24 AWG)	IPL1
–06	1 x SFSD (28 AWG)	TFM
–06	1 x MPSS (16 AWG)	MPT

(0.5) .020 DIA (14)

–01

END 1

Overall Length (XX.XX) ±2%

(26,00) 1.024

–02 END 2 (MMSD)

–06 END 2 (MPSS, SFSD)

Due to technical progress, all designs, specifications and components are subject to change without notice.

Mouser Electronics

Authorized Distributor

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