

NOTES: UNLESS OTHERWISE SPECIFIED

RECOMMENDED TORQUE
VALUES: 1.5-2.0 N.m

1. SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

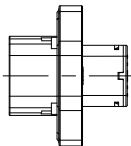
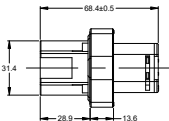
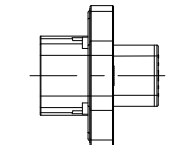
2. MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER, COLOR: RED

3. MODIFICATIONS: FLANGE MOUNT
STANDARD DIAMETER WIRE SEAL

4. SPECIFICATIONS:
4.1 CURRENT RATING: 13 AMPS
4.2 OPERATING TEMPERATURE: -55°C TO +125°C.
4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2
MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
4.5 MOISTURE RESISTANCE: IP68 (MATED CONDITION)
4.6 MATING CYCLE DURABILITY: 100 CYCLES
4.7 RoHS COMPLIANT

5. MATING PART: ATV06-18SX* PLUG
(X = A,B,C,D KEYS; * = MODIFICATIONS AND COLORS)

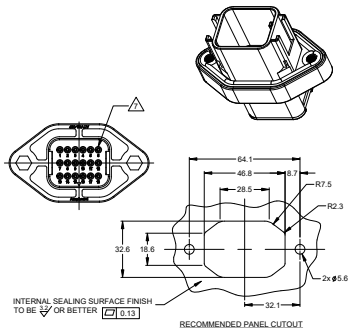
6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
16	2.23 mm (.088 in)	3.68 mm (.145 in)	14 - 20 AWG

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	25MAY18	RMON	TOMMY
A2	-	UPDATE NOTES	19FEB19	SULLEN	TOMMY
A3	-	UPDATED IP RATINGS	10JUN24	JHEAD	BRETT



RECOMMENDED PANEL CUTOUT

SEE SHEET 2		REF: DTVD-18P, DTVD-18P, DTVD-18P, DTVD-18P, DTVD-18P	
PART NUMBER		DESCRIPTION	
QUANTITY		ITEM	
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED:			
1) All dimensions are in millimeters.			
2) Tolerances are as follows:			
3) PL DEC ±0.30			
4) PL DEC ±0.30			
5) Hole reference is 0.13			
3) Hole reference is 			
MATERIAL SPECIFICATIONS			
REVISIONS			
DATE			
SULLENZING			
19FEB19			
ORON			
19FEB19			
TOMMY			
19FEB19			
PROCESS SPECIFICATIONS			
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PART NAME:			
B C-			
ATV02-18PX			
A3			
NONE			
1 of 2			

Amphenol

Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48035

RECEPTACLE, FLANGE, 18 PIN, ATV SERIES
STANDARD DIA. WIRE SEAL

SIZE: B C-
TYPE: NONE

ATV02-18PX

A3

TITLE: RECEPTACLE, FLANGE, 18 PIN, ATV SERIES

DWG NO:

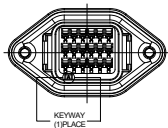
ATV02-18PX

REV: A3

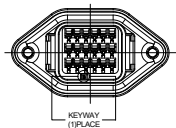
SH: 1

OF: 2

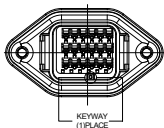
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	29MAY18	SULLEN	TOMMY
A2	-	UPDATE NOTES	19FEB19	SULLEN	TOMMY
A3	-	UPDATED IP RATINGS	10JUN24	JHEAD	BRETT



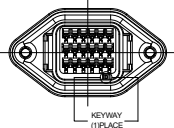
KEY-A CONFIGURATION	
COLOR	PART NUMBER
GREY	ATV02-18PA



KEY-B CONFIGURATION	
COLOR	PART NUMBER
BLACK	ATV02-18PB



KEY-C CONFIGURATION	
COLOR	PART NUMBER
GREEN	ATV02-18PC



KEY-D CONFIGURATION	
COLOR	PART NUMBER
BROWN	ATV02-18PD

SEE CONFIGURATION CHART		DESCRIPTION		ITEM
PART NUMBER				
QUANTITY	MATERIALS LIST			
(UNLESS OTHERWISE SPECIFIED)		SIGNATURES	DATE	
1) All dimensions are in millimeters.		DESIGNED: SULEN ZHANG	19FEB19	Amphenol Site Systems - www.amphenol-site.com 44724 Morley Drive Clinton Township, MI 48036
2) Tolerances are as follows:		CHECKED: GRULLI	19FEB19	
3 PL DEC ±0.30 Precision ±0.04		APPROVED: TOMMY YE	19FEB19	
2 PL DEC ±0.10 Angles ±1°				
3 PL DEC ±0.08				
3) Note reference = 				
MATERIAL SPECIFICATIONS				
FINISH SPECIFICATIONS				
PROCESS SPECIFIC DATA				
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SIZE	TYPE	STOCK NO.	REV.	
B	C-	ATV02-18PX	A3	
NONE		SHEET 2	OF	2

DATE: RECEPTACLE FLANGE, 18 PIN, ATV SERIES STANDARD DIA. WIRE SEAL
 PART NO: ATV02-18PX
 REV: A3
 SHEET 2 OF 2