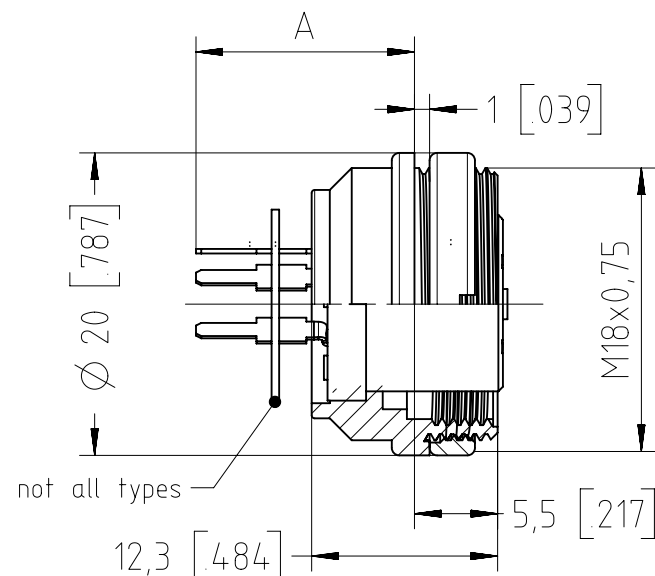
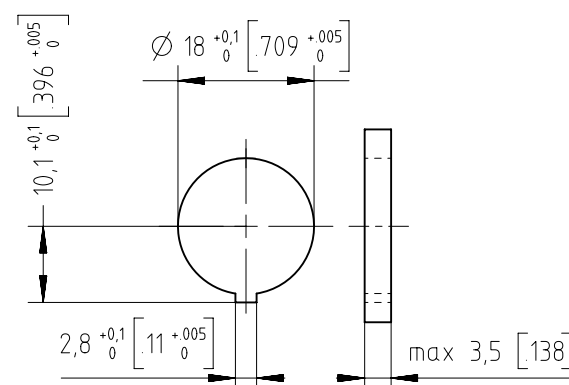


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Panel Cutout
M1:1



Number of contacts	Standard	2+3 ¹⁾	4	5	5S	6	7	7	8	12	14
Contact arrangement	DIN EN 61076-2-106	03-a	04-a	05-a	05-b	06-a	07-a	07-b	08-a	12-a	14-a
Contact arrangement	IEC 60130-9 ²⁾			-			-			-	
Rated voltage ³⁾	IEC 60664-1	300 V (100 V)	300 V (63 V)	300 V (32 V)	300 V (63 V)	100 V (32 V)	100 V (32 V)	100 V (32 V)	150 V (32 V)	150 V (32 V)	150 V (32 V)
Rated voltage	UL 1977	250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V
Rated impulse withstand voltage ³⁾	IEC 60664-1	1500 V (840 V)	1200 V (500 V)	1200 V (500 V)	1500 V (840 V)	1200 V (500 V)	1200 V (500 V)	1200 V (500 V)	1200 V (500 V)	1200 V (500 V)	1200 V (500 V)
Pollution degree ³⁾	IEC 60664-1	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)
Installation category	IEC 60664-1	I	I	I	I	I	I	I	I	I	I
Insulation group	IEC 60664-1	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600
Current rating	IEC 60512-5-2 UL 1977	5A/+40°C/+104°F	5A/+40°C/+104°F	5A/+40°C/+104°F	5A/+40°C/+104°F	5A/+40°C/+104°F	5A/+40°C/+104°F	5A/+40°C/+104°F	5A/+40°C/+104°F	5A/+40°C/+104°F	5A/+40°C/+104°F
Insulation resistance	IEC 60512-3-1	>10 ¹⁰ Ω ⁴⁾	>10 ¹⁰ Ω ⁴⁾	>10 ¹⁰ Ω ⁴⁾	>10 ¹⁰ Ω ⁴⁾	>10 ¹⁰ Ω ⁴⁾	>10 ¹⁰ Ω ⁴⁾	>10 ¹⁰ Ω ⁴⁾	>10 ¹⁰ Ω ⁴⁾	>10 ¹⁰ Ω ⁴⁾	>10 ¹⁰ Ω ⁴⁾
Contact resistance	IEC 60512-2-1	<5m Ω	<5m Ω	<5m Ω	<5m Ω	<5m Ω	<5m Ω	<5m Ω	<5m Ω	<5m Ω	<5m Ω
Climatic category	IEC 60668-1	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56
Temperatur range	IEC 60668-1	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F
IP degree	IEC 60529	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40
Insertion and withdrawal force	IEC 60512-13-2	25N	30N	35N	50N	55N	60N	50N	50N	50N	50N
Mechanical operation	IEC 60512-9-1	≥500 mating cycles	≥500 mating cycles	≥500 mating cycles	≥500 mating cycles	≥500 mating cycles	≥500 mating cycles	≥500 mating cycles	≥500 mating cycles	≥500 mating cycles	≥500 mating cycles
Housing material		brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated
Dielectric material		thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic
Contacts		silver plated	silver plated	silver plated	silver plated	silver plated	silver plated	silver plated	silver plated	silver plated	silver plated
Termination technique		solder	solder	solder	solder	solder	solder	solder	solder	solder	solder
Flamability		UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0
locking system	IEC 60130-9 DIN EN 61076-2-106	metal screw coupling; tightening torque 0,7Nm	metal screw coupling; tightening torque 0,7Nm	metal screw coupling; tightening torque 0,7Nm	metal screw coupling; tightening torque 0,7Nm	metal screw coupling; tightening torque 0,7Nm	metal screw coupling; tightening torque 0,7Nm	metal screw coupling; tightening torque 0,7Nm	metal screw coupling; tightening torque 0,7Nm	metal screw coupling; tightening torque 0,7Nm	metal screw coupling; tightening torque 0,7Nm

¹⁾ 2 contact version: contact loading 1+3
²⁾ Edition 2000-05
³⁾ values in brackets are according to DIN EN 61076-2-106
⁴⁾ under operating conditions >10⁸ Ohm

All technical data have been measured in a laboratory environment and can be different during practical usage of the product. Any product information is for descriptive usage only and not legally binding; particularly the information does not constitute or provide any legal guarantees. Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground. Parts according to directive 2002/95/EG (RoHS).
Remark for gold plated contacts:
In order to avoid brittle inter-metallic connections, gold plated terminals have to be tin-plated in the solder area.

	14 (14-a)	T 3653 400 U	T 3653 420 U	T 3653 430 U
	12 (12-a)	T 3638 400 U	T 3638 420 U	T 3638 430 U
	8 (08-a)	T 3507 400 U	T 3507 420 U	T 3507 430 U
	7 (07-b)	T 3487 400 U	T 3487 420 U	T 3487 430 U
	7 (07-a)	T 3478 400 U	T 3478 420 U	T 3478 430 U
	6 (6-a)	T 3403 400 U	T 3403 420 U	T 3403 430 U
	5 (05-b)	T 3359 400 U	T 3359 420 U	T 3359 430 U
	5 (05-a)	T 3363 400 U	T 3363 420 U	T 3363 430 U
	4 (04-a)	T 3303 400 U	T 3303 420 U	T 3303 430 U
	3 (03-a)	T 3263 400 U	T 3263 420 U	T 3263 430 U
	2 (Pin 1+3)	T 3203 400 U	T 3203 420 U	T 3203 430 U
Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)	A=10,5mm [.413]	A=14,5mm [.413]	A=19,5mm [.413]

Gewicht (errechnet) / Calc WT:		Zul. Abw./Tolerances:		Maßstab / Scale : 2:1; 1:1		A3	
Prüfmaß / Testdimension		DIN / ISO 13715		CUSTOMER DRAWING			
Teileindex Partindexnumber		Datum / Date		Name			
		Gez.		13.01.2016			
		Drawn		MCARL			
		Status: Released		Inspector: 14.01.2016 MGRIM			
		Amphenol-Tuchel Electronics GmbH		M GA T 3XXX 4X0 U			
02		201600004		13.01.2016		MCARL	
Index		Änderung / Description		Datum / Date		Name	
						Ers. f. / Replacement for : M-GA T 3XXX 4X0 U	
						Index 01	

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