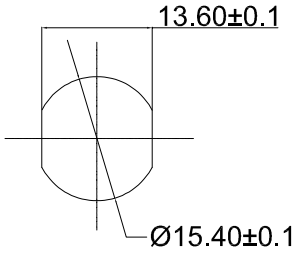
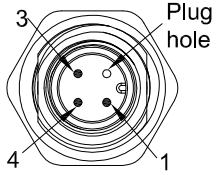
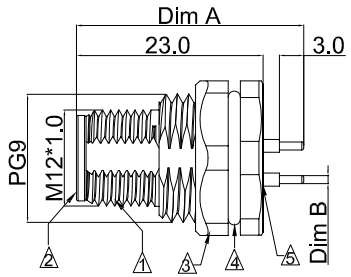


RECOMMENDED
PANEL CUT-OUT



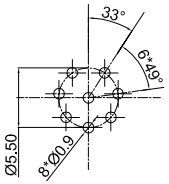


Part Number	Contacts	Rated Voltage A/C	Rated Voltage D/C	Rated Current	Dim A (mm)	Dim B (mm)
A-M12-03-MGMA-GTB1a		250V	250V	4A	27.7±1	Ø1.0
A-M12-04-MGMA-GTB1a		250V	250V	4A	27.7±1	Ø1.0
A-M12-05-MGMA-GTB1a		60V	60V	4A	27.7±1	Ø1.0
A-M12-08-MGMA-GTB1a		30V	30V	2A	27.7±1	Ø0.8
A-M12-12-MGMA-GTB1a		30V	30V	1.5A	28.2	Ø0.6
A-M12-04-MGMD-GTB1a		250V	250V	4A	27.7±1	Ø1.0
A-M12-05-MGMB-GTB1a		60V	60V	4A	27.7±1	Ø1.0

	ITEM	SPECIFICATION	QTY	UNIT
	5	BLACK GLUE A/B (ETHOXYLINE RESIN)	2	G
	4	O-RING GREEN FKM Ø13.0 * Ø2.0mm	1	PCS
	3	PG9 BRASS PLATED NI L*W=4*19mm	1	PCS
①	2	M12 MALE Connector UL94V-0 Black Dip Pin 1u" Gold plated	1	SET
	1	M12 BRASS WITH NI PLATED, FEMALE FRONT MOUNT PG9 L=21.8mm	1	PCS

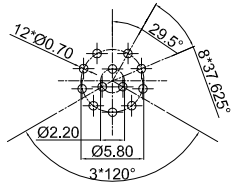
③ Notes:
1.Waterproof connector rating is IP67/IP68
2.Insulation Resistance: >100MΩ
3.Contact Resistance: ≤10mΩ
4.Mating Cycle: 100 times Min, 500 times Max.
5.Operating temperature: -25°C ~ +100°C ②
① 6.Unshielded

A-M12-08-MGMA-GTB1



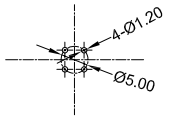
RECOMMENDED
PCB LAYOUT

A-M12-12-MGMA-GTB1



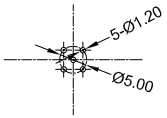
RECOMMENDED
PCB LAYOUT

A-M12-04-MGMD-GTB1



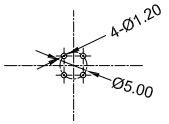
RECOMMENDED
PCB LAYOUT

A-M12-05-MGMB-GTB1



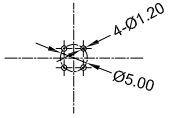
RECOMMENDED
PCB LAYOUT

A-M12-03-MGMA-GTB1



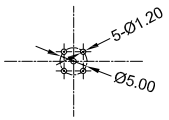
RECOMMENDED
PCB LAYOUT

A-M12-04-MGMA-GTB1



RECOMMENDED
PCB LAYOUT

A-M12-05-MGMA-GTB1



RECOMMENDED
PCB LAYOUT

RoHS compliant

Unit: mm

Scale	Free
TOLERANCE	
.X	±0.5
.XX	±0.20
DIM	TOL
X.°	±2.0°
.X°	±1.0°
Angle	TOL

Id.	Modification	Date	Name
③	Remove"resistance many oils and chemical" from notes	06.09.2019	Amy
②	Update temperature range	13.05.2019	Amy
①	Update the notes	27.04.2019	Segal
⓪	Drawn	16.07.2018	Segal

	Date	Name
Drawn	16.07.2018	Segal
Approved	06.09.2019	Amy

ASSMANN WSW components

Customer-No.

ASSMANN WSW-No.
A-M12-xx-MGMx-GTB1a

Drawing-No.
ASS 8054 CO

rev03

Replace

Sheet

SV4471