

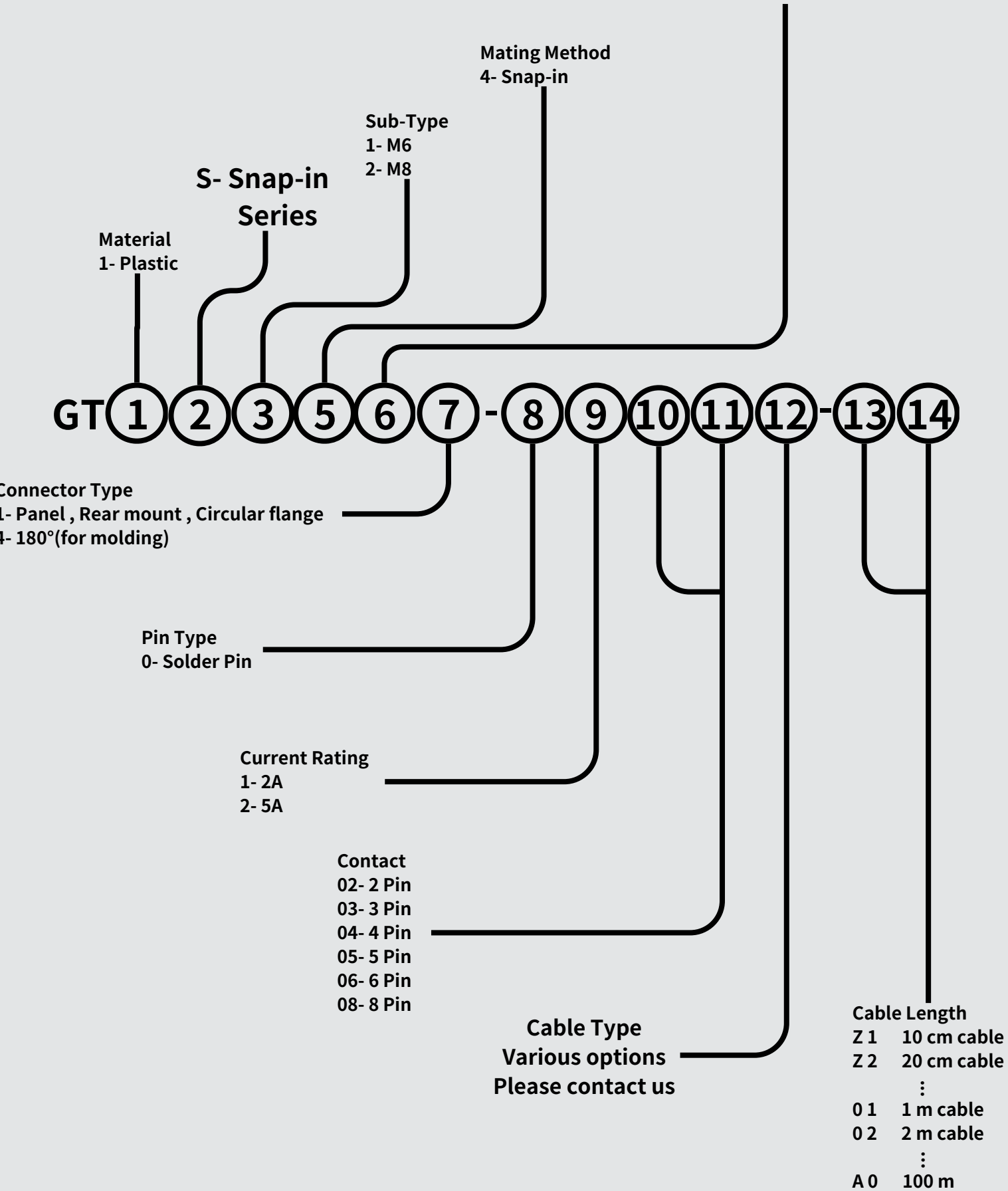
SNAP-IN SERIES



Snap-in

Part Numbering System

- Housing Type
- 0- Panel mount receptacle, Female Pin
 - 1- Panel mount receptacle, Male Pin
 - 2- Cable end(Plug) , Female Pin
 - 3- Cable end(Plug) , Male Pin
 - B- Dual head F-M (Cable end (Plug)
 - C- Dual head F-F (Cable end (Plug)

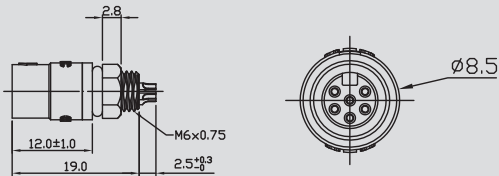


Specifications

Snap-in Connector Engineering Specifications				
Specifications				
Operation Temperature		With Cable -40°C / +85°C		
		Without Cable -40°C / +105°C		
IP Rating		IP67		
Size	Number of Ways	AWG Gauge	Voltage	Amps
M6	2	22AWG	300V	5A
	3			
	4	24AWG	30V	2A
	5			
	6			
M8	8			
Product Technical Data				
Characteristics	Standard	Description		
Visual and Dimensional Inspection	EIA 364-18	Must meet or exceed the requirements specified by the most current version of the Snap-in M6 Specification.		
Insulation Resistance	EIA 364-21 or IEC 60512-3a	DC500V±10% , test for 1 minute and the insulation resistance should be more than100MΩ		
Dielectric Withstanding Voltage	EIA 364-20 or IEC 60512-4a	500V AC contact-to-contact, for 1min.		
Contact Resistance	EIA 364-23 or IEC 60512-2b	10mΩ at 100mA Max.		
Cable Pull-Out	EIA 364-38 Test Condition A or IEC 60512-13a	2/3 Ways	After the application of a steady state axial load of 40 N for 1 minute	
		5/6 Ways	After the application of a steady state axial load of 222 N for 1 hour	
Durability	EIA 364-09 or IEC 60512-9a	Snap-in type 2000 cycles ,rate of 250 cycles per hour.		

Product Technical Data		
Characteristics	Standard	Description
Cable Flexing	EIA 364-41	A traverse 180° in one direction plus 180° in the opposite direction shall be called one cycle , the cycling rate shall be 12 to 14 cycles per minute. After completion of 100 cycles , test withstanding voltage and insulation resistance
Physical Shock	EIA 364 27 Test Condition H or IEC 60512-6c	No discontinuities of 1 μs or longer duration when mated Snap-in M6 connectors are subjected to 11 ms duration 30 Gs half-sine shock pulses. Three shocks in each direction applied along three mutually perpendicular planes for a total of 18 shocks.
Vibration	EIA 364-28 or IEC 60512-6d	The electrical load conditions shall be 100mA maximum for all contacts. Frequency: 50 to 2000 Hz PDS: 0.04 g ² /Hz. Duration: 1 Hour/Axis, 3 Axes Total. g's: 7.56 g rms
Thermal Shock	EIA 364-32 Test Condition VIII or IEC 60512-11d	5 cycles at -40°C / +105°C , after the test, the function and appearance can't be impacted.
Salt Spray	EIA 364-26 or IEC 60512-11f	The test liquid (NaCl) thickness is 5%, Compressing the air pressure is 0.083Mpa, Spraying amount is 0.5~3.0ml/ 80cm ² / hours , Temperature of the pressure barrel is 43°C , LAB temperature is 35°C , relative humidity of LAB is 95%~98% , test time is 48hr , after the test, check if there is rusty and oxidized phenomenon
Waterproof Test	IEC 60529	Under 1 M water for 30 Min.
Temperature Life W/O Electrical Load	EIA364-17 Condition 3 or IEC 60512-9b	80°C for 96 Hours
Low Temperature	EIA364-59 Condition 3 or IEC 60512-11k	-20°C for 96 Hours
Temperature Humidity Cycling	EIA 364-31 , Method III Test Condition A	4 cycles at 25°C / +65°C 95%RH, Test time condition A 96Hours.

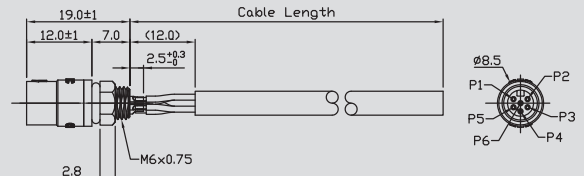
Plastic M6 Panel Female



P/N	Rated current (A)	Contacts
GT1S1401-01040	2	4
GT1S1401-01050	2	5
GT1S1401-01050(Y)	2	5
GT1S1401-01060	2	6
GT1S1401-0202X	5	2
GT1S1401-0203X	5	3

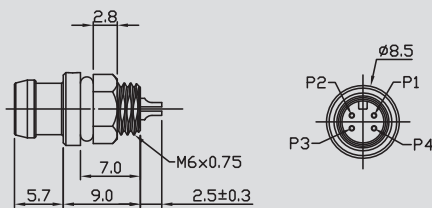
*(Y) = Yellow Housing

Plastic M6 Panel Female with Cable



P/N	Rated current (A)	Contacts
GT1S1401-0104X-XX	2	4
GT1S1401-0105X-XX	2	5
GT1S1401-0106X-XX	2	6
GT1S1401-0202X-XX	5	2
GT1S1401-0203X-XX	5	3

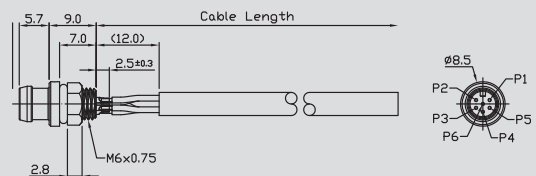
Plastic M6 Panel Male



P/N	Rated current (A)	Contacts
GT1S1411-01040	2	4
GT1S1411-01050	2	5
GT1S1411-01050(Y)	2	5
GT1S1411-01060	2	6
GT1S1411-0202X	5	2
GT1S1411-0203X	5	3

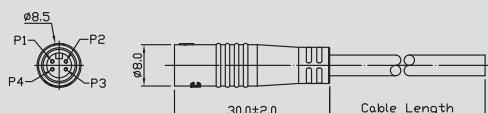
*(Y) = Yellow Housing

Plastic M6 Panel Male with Cable

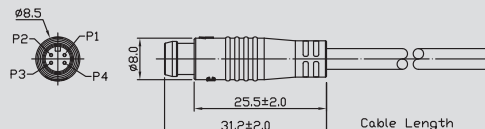


P/N	Rated current (A)	Contacts
GT1S1411-0104X-XX	2	4
GT1S1411-0105X-XX	2	5
GT1S1411-0106X-XX	2	6
GT1S1411-0202X-XX	5	2
GT1S1411-0203X-XX	5	3

Plastic M6 Cable End Female with Cable



Plastic M6 Cable End Male with Cable



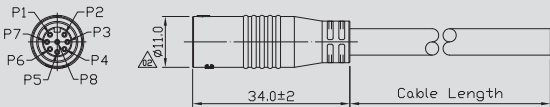
P/N	Rated current (A)	Contacts
GT1S1424-0104X-XX	2	4
GT1S1424-0105X-XX	2	5
GT1S1424-01051-XX(Y)	2	5
GT1S1424-0106X-XX	2	6
GT1S1424-0202X-XX	5	2
GT1S1424-0203X-XX	5	3

*(Y) = Yellow Housing

P/N	Rated current (A)	Contacts
GT1S1434-0104X-XX	2	4
GT1S1434-0105X-XX	2	5
GT1S1434-01051-XX(Y)	2	5
GT1S1434-0106X-XX	2	6
GT1S1434-0202X-XX	5	2
GT1S1434-0203X-XX	5	3

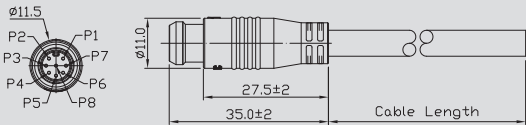
*(Y) = Yellow Housing

Plastic M8 Cable End Female with Cable



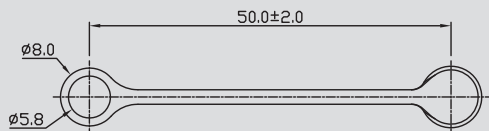
P/N	Rated current (A)	Contacts
GT1S2424-01082-XX	2	8

Plastic M8 Panel Female with Cable



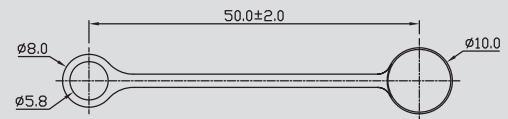
P/N	Rated current (A)	Contacts
GT1S2434-01082-XX	2	8

Cap for M6 Male



P/N	Mating Series No.
GT5C374192	GT1S1411 Series

Cap for M6 Female



P/N	Mating Series No.
GT5C374092	GT1S1401 Series



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