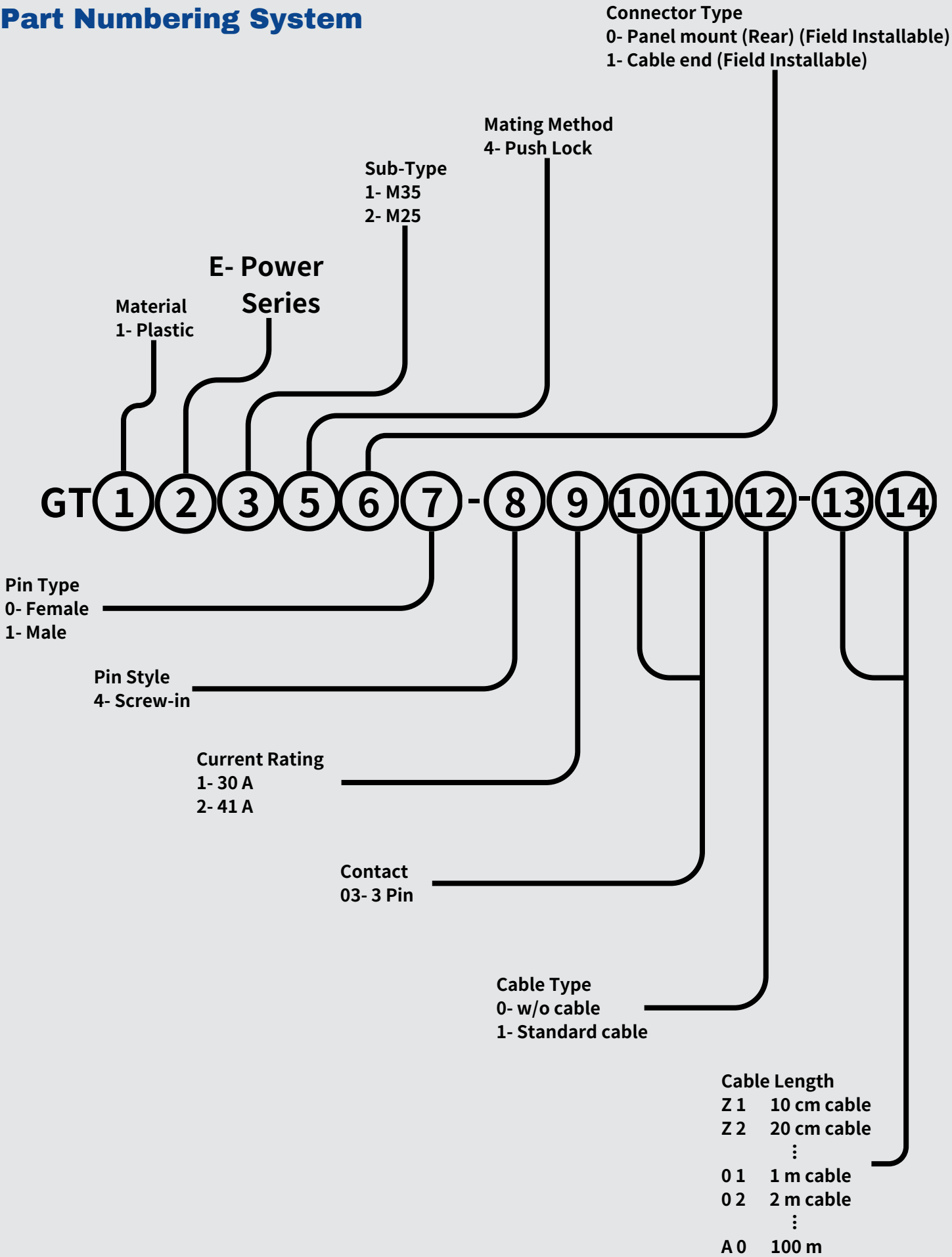


POWER SERIES



POWER

Part Numbering System

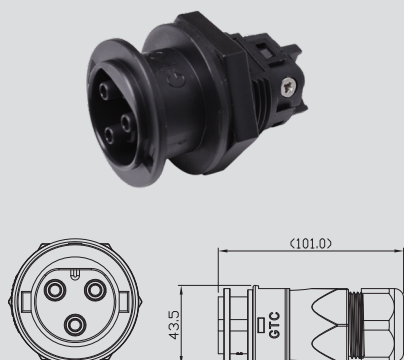


Specifications

M25 / M35 Power Push Lock Engineering Specifications		
Specifications		
Current Rating	M25	600VAC/VDC 30A
	M35	600VAC /VDC 41A
AWG Gauge	M25	10AWG
	M35	8AWG
Operation Temperature	With Cable -40°C / +85°C	
	Without Cable -40°C / +105°C	
IP Rating	IP67	
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 Power Specification.
Insulation Resistance	EIA 364-21 or IEC 60512-3a	DC 500V±10% , test for 1 minute and the insulation resistance should be more than100MΩ
Dielectric Withstanding Voltage	EIA 364-20 or IEC 60512-4a	Power Pin:2500 V AC contact-to-contact, for 1min.
Contact Resistance	EIA 364-06 Method B or IEC 60512-2b	10mΩ at 10mA Max.
Durability	EIA 364-09 or IEC 60512-9a	100 cycles insertion/extraction cycles at a maximum Speed of 6 times per min.
Cable Pull-Out	EIA 364-38 Test Condition A or IEC 60512-13a	After the application of a steady state axial load of 45 N for one minute.

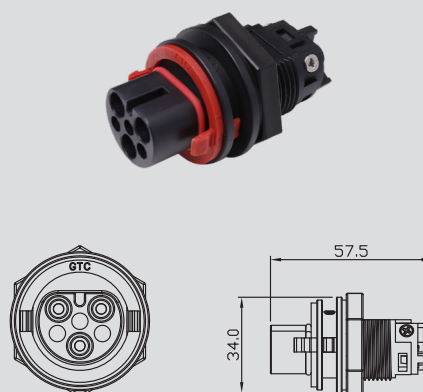
Product Technical Data			
Characteristics	Standard	Description	
Machine Screw Force	GTC testing result	M25	Insert stripped wire into screw-in pin, tighten. [8.0Kg-cm]min.
		M35	Insert stripped wire into screw-in pin, tighten. [2.0 Nm]min.
Physical Shock	EIA 364 27 Test Condition H or IEC 60512-6c	No discontinuities of 1 μ s or longer duration when mated Power 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 1~2 ml/80cm/h , Temperature of the pressure barrel is 43°C , LAB temperature is 35°C , relative humidity of LAB is 95%~98% , test time is 24hr , 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	85°C for 96 Hours .	
Low Temperature	EIA364-59 Condition 3 or IEC 60512-11k	-40°C for 96 Hours.	
Temperature Humidity Cycling	EIA 364-31 , Method III Test Condition A	4 cycles at 25°C / +65°C 95%RH (1 cycles/day))	
UV Exposure	ASTM G154-06 operating fluorescent light apparatus for UV exposure of nonmetallic materials	4 H equal 1 year: 8 h UV at 70 ($\pm$ 3) °C Black Panel Temperature 4 h Condensation at 50 ($\pm$ 3) °C Black Panel Temperature	

M25 Field Installable Panel Mount Female Push Lock



P/N	Rated current (A)	Contacts
GT1E2400-41030	30	3

M25 Field Installable Panel Mount Male Push Lock



P/N	Rated current (A)	Contacts
GT1E2401-41030	30	3

M35 Field Installable Panel Mount Female Push Lock



P/N	Rated current (A)	Contacts
GT1E1400-42030	41	3

M35 Field Installable Panel Mount Male Push Lock



P/N	Rated current (A)	Contacts
GT1E1401-42030	41	3

M25 Field Installable Cable End Female Push Lock



P/N	Rated current (A)	Contacts
GT1E2410-41033	30	3

M25 Field Installable Cable End Male Push Lock



P/N	Rated current (A)	Contacts
GT1E2411-41033	30	3

M35 Field Installable Cable End Female Push Lock



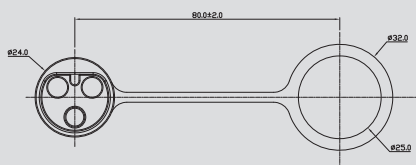
P/N	Rated current (A)	Contacts
GT1E1410-42032	41	3

M35 Field Installable Cable End Male Push Lock

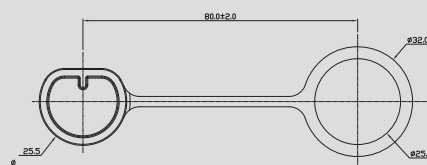


P/N	Rated current (A)	Contacts
GT1E1411-42032	41	3

Cap for M25 Female



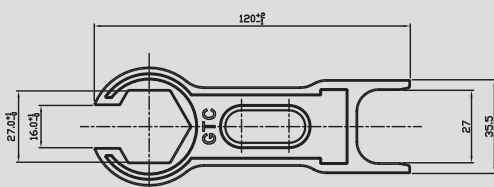
Cap for M25 Male



P/N	Product
GT5CE24122	GT1E2400 Series
	GT1E2410 Series

P/N	Product
GT5CE24022	GT1E2401-41030
	GT1E2411-41033

Tool



P/N	Product
GT601E2-X8105	M25 Tool
GT601E1-X8107	M35 Tool



www.gtcontact.com

Contact Information

Sales@gtcontact
Sales.eu@gtcontact.com
Sales.jp@gtcontact.com
Sales.cn@gtcontact.com

TEL: 886-2-7716-8136

FAX: 886-2-7716-8137

