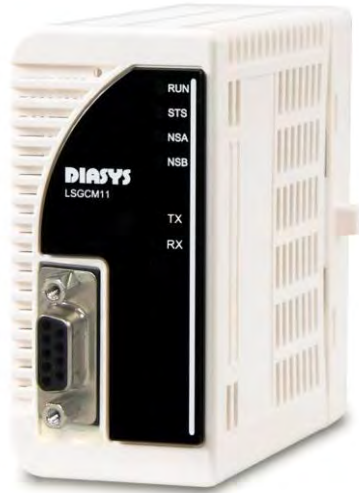


LSGCM11 Profibus (RS485) Communication module

LS communication Profibus (RS485) : 1ch

■ Summary



- * Communication port : 1
- * Module ambient temperature : -5 to 60°C

LSGCM11 Profibus (RS485) Communication module

LS communication Profibus (RS485) : 1ch

Specifications

ITEM		SPECIFICATION
Communication port	Number of channels	1
	Communication speed	9.6kbps , 19.2kbps , 93.75kbps , 187.5kbps , 0.5Mbps , 1.5Mbps , 12Mbps
	Communication size	・Periodic data Maximum 244byte / unit Process input from all SLAVE devices : Maximum 5712byte Process output to all SLAVE devices : Maximum 5760byte ・Non-periodic data(DIAG、ALARM) Maximum 240byte / unit
	Communication method	Hybrid system(Token passing method and master / slave communication method)
	Number of SLAVE devices connected	Maximum 125 unit * ¹
	Action mode	Master mode
	Supported protocol	DP-V0 , DP-V1 Class1
	Number of registered commands	・Periodic communication : Maximum 125 command * ¹ ・DIAG、ALARM For reception : Each Maximum 125 command * ¹
	PROFIBUS communication ID	GCM(MASTER)side communication ID is 1. * ²
	Duplication correspondence	Possible(Two units installed、Data selection in CPU Application Logic)
Dielectric voltage		DC500V
Communication with IOA	Communication method	LVDS
	Communication speed	100Mbps
Self-diagnostic functions		Power voltage check (24V, 3.3V, 1.5V, 1.2V) Clock abnormal check (FPGA-MCU for diagnosis, MCU for diagnosis -FPGA) Heartbeat check (FPGA=>MCU for diagnosis, MCU for diagnosis=>FPGA, FPGA=>MCU for communication) CRC check (FPGA) Exception Interrupt Check (MCU for communication) Check communication setting file (MCU for communication) Connection check with Host computer (DPS, MPS, etc.) (MCU for communication)
Protection	(Power supply protection)	Overvoltage protection Overcurrent protection
Indicator	Status indicator LED	4 RUN(Run) / STS(Status) /NSA(Network status A) / NSB(Network status B)
	Communication status display LED	2 TXD(CH1 TXD Status) / RXD(CH1 RXD Status)
Hot swap		Possible
Power supply		DC24V ±20% (The voltage supplied from the backplane)
Environmental conditions	Module ambient temperature	(Operating) -5 to 60°C (Storage) -40 to 85°C
	Module ambient humidity	95%RH 以下 (No condensation)
Vibration		3.5mm @ 5 to 8.4 Hz 1G @ 8.4 to 150 Hz
Shock		15G 11ms
Current consumption		Less than 150mA
Weight		170g
Dimensions		97mmD x 94mmH x 46mmW (Except projection)
Standard/Directive		IEC61131-2-2007, RoHS

* About compliant module type
 For compliant modules of this product, please refer to "Compliant backplane list (CGS-S9901-E-XX)".
 For compliant modules of this product, please refer to "Compliant accessory connector list (CGS-S9902-E-XX)".

*¹ Depending on the system environment, adjustment such as slowing down the communication cycle is required.

*² The communication ID at the time of module doubled the control side 1, and the stand-by side with 0.

