

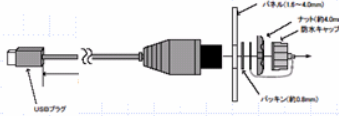


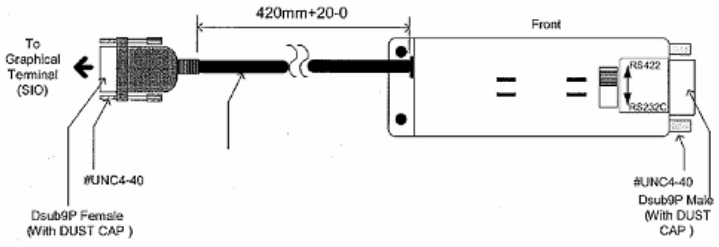



Part Number	Product description	Basic explanation	Technical spec	Product image
Cable				
CA3-CBL232/5M-01	RS232C cable, 5M for ST, AGP	Digital: RS232C cable (5m) connecting various hosts with a GP unit. COM1, GP side: D-Sub 9pin female – Host side: D-Sub 25pin male.		
CA3-CBL422/5M-01	RS422 cable, 5M for ST, AGP	Digital: RS422 cable (5m) connecting various hosts with an AGP unit. COM1, AGP side: D-Sub 9pin female – Host side: Crimped Separated Cable.		

CA3-CBL422-01	RS422 cable, 5M for ST, AGP	Digital: RS422 cable (5m) connecting various hosts with an AGP unit. COM2, AGP side: D-Sub 9pin male – Host side: Crimped Separated Cable.		Not yet available
CA3-CBLCBT232-01	RS-232C Conversion Cable, 9 to 25 pin, for GP3000	To use GP2000-based cable on AGP - (Digital: Cable 20 cm converting D-Sub 9pin male to D-Sub 25pin male – COM2, GP side: D-Sub 9pin male – Host side: D-Sub 25pin female)	Connects a standard RS-232C cable (GP Connector: D-sub 25-pin) to the GP.	
CA3-CBLCBT422-01	RS-422 Conversion Cable, 9 to 25 pin, for GP3000	To use GP2000-based cable on AGP - (Digital: Cable 20 cm converting D-Sub 9pin female to D-Sub 25pin male – COM2, GP side: D-Sub 9pin male – Host side: D-Sub 25pin female)	Connects a standard RS-422 cable (GP Connector: D-sub 25-pin) to the GP.	

<p>CA5-USBEXT-01</p>	<p>USB Front Panel Adapter Cable, for AGP</p>	<p>Extend AGP Series' USB interface to front surface of board - (Digital: Extension cable attaching USB port to front panel)</p>	<p>◆ USB Extension Cable</p> <ul style="list-style-type: none"> Extend GP3000 Series' USB interface to front surface of board (Front Maintenance) Attach using only a 21mm hole. Available for transferring screen data via USB cable or for connecting printers, barcode readers, etc.  																																									
<p>CA3-ISO232-01</p>	<p>RS232C Isolation Unit for AGP</p>	<p>Function: protect port (Digital: Unit for electrically isolating a serial interface from the GP internal current - RS232C and RS422 are switchable) Available: end of November 2005</p>	 <p>Wire connection</p> <table border="1" data-bbox="829 1031 1543 1307"> <tr> <td>Dsub9P</td> <td>1</td> <td></td> <td>1</td> </tr> <tr> <td></td> <td>2</td> <td></td> <td>2</td> </tr> <tr> <td></td> <td>3</td> <td></td> <td>3</td> </tr> <tr> <td></td> <td>4</td> <td></td> <td>4</td> </tr> <tr> <td></td> <td>6</td> <td></td> <td>6</td> </tr> <tr> <td></td> <td>7</td> <td></td> <td>7</td> </tr> <tr> <td></td> <td>8</td> <td></td> <td>8</td> </tr> <tr> <td></td> <td>9</td> <td></td> <td>9</td> </tr> <tr> <td></td> <td>5</td> <td></td> <td>5</td> </tr> <tr> <td></td> <td>FG(SHELL)</td> <td>SHIELD</td> <td>FG</td> </tr> </table>	Dsub9P	1		1		2		2		3		3		4		4		6		6		7		7		8		8		9		9		5		5		FG(SHELL)	SHIELD	FG	<p>CA3-ISO232-01-ES</p> 
Dsub9P	1		1																																									
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CA3-ISO485-01

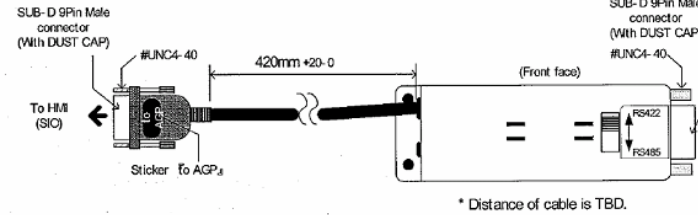
RS422/RS485
Isolation Unit for
AGP

Function:
protect port

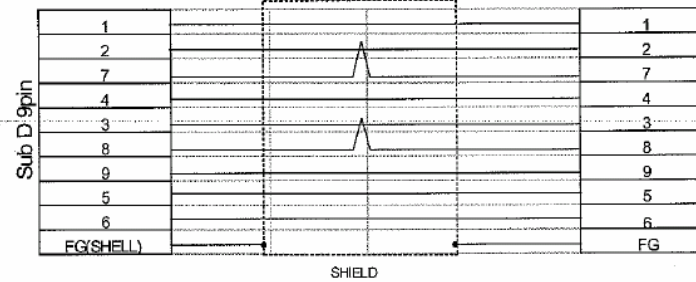
(Digital: Unit for
electrically
isolating a serial
interface from the
GP internal current
- RS422 and
RS485 are
switchable)

Available: end of
November 2005

CA3-ISO485-01



Wire connection
(S D)



Adapter

<p>CA3-ADPCOM-01</p>	<p>Com Port Conversion Adapter</p>	<p>Function: to be able to use communication cable for COM2 on COM1 - (Digital: COM Conversion Adapter – Pin Conversion Adapter connecting COM2’s communication option to COM1 port of a unit – COM1, GP side: D-Sub 9pin female – Host side: D-Sub 9pin female)</p>	<table border="1" data-bbox="961 672 1570 959"> <tr> <td>1</td> <td>RX+</td> <td rowspan="9"> </td> <td>1</td> </tr> <tr> <td>2</td> <td>RX-</td> <td>2</td> </tr> <tr> <td>3</td> <td>TX+</td> <td>3</td> </tr> <tr> <td>4</td> <td>DTR+</td> <td>4</td> </tr> <tr> <td>5</td> <td>SG</td> <td>5</td> </tr> <tr> <td>6</td> <td>CTS-</td> <td>6</td> </tr> <tr> <td>7</td> <td>TX-</td> <td>7</td> </tr> <tr> <td>8</td> <td>CTS+</td> <td>8</td> </tr> <tr> <td>9</td> <td>DTR-</td> <td></td> </tr> <tr> <td>-</td> <td>FG(SHELL)</td> <td></td> <td>-</td> </tr> </table> <p style="text-align: center;">$R_t = 100\ \Omega, 1/2W$</p>	1	RX+		1	2	RX-	2	3	TX+	3	4	DTR+	4	5	SG	5	6	CTS-	6	7	TX-	7	8	CTS+	8	9	DTR-		-	FG(SHELL)		-	
1	RX+		1																																	
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8	CTS+		8																																	
9	DTR-																																			
-	FG(SHELL)		-																																	

<p>CA3-ADPSEI-01</p>	<p>Siemens COM port Conversion Adapter</p>	<p>Function: basically, create a pure two wire connection (RS422 -> RS485) - (Digital: Siemens COM Conversion Adapter – Adapter connecting with the connector for SIEMENS Profibus when MPI connection with SIEMENS’s PLC is done – COM2, GP side: D-Sub 9pin male – Host side: D-Sub 9pin female)</p>	<table border="1" data-bbox="947 553 1570 808"> <tr> <td>1</td> <td>RXTERM</td> <td></td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td>RX+</td> <td></td> <td></td> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td>TX+</td> <td></td> <td></td> <td>3</td> <td>LINE A</td> </tr> <tr> <td>4</td> <td>RTS</td> <td></td> <td></td> <td>4</td> <td></td> </tr> <tr> <td>5</td> <td>SG</td> <td></td> <td></td> <td>5</td> <td>M5EXT</td> </tr> <tr> <td>6</td> <td>P5V</td> <td></td> <td></td> <td>6</td> <td>P5EXT</td> </tr> <tr> <td>7</td> <td>RX-</td> <td></td> <td></td> <td>7</td> <td></td> </tr> <tr> <td>8</td> <td>TX-</td> <td></td> <td></td> <td>8</td> <td>LINE B</td> </tr> <tr> <td>9</td> <td>TXTERM</td> <td></td> <td></td> <td>9</td> <td></td> </tr> <tr> <td>-</td> <td>FG(SHELL)</td> <td></td> <td></td> <td>-</td> <td>FG(SHELL)</td> </tr> </table>	1	RXTERM			1		2	RX+			2		3	TX+			3	LINE A	4	RTS			4		5	SG			5	M5EXT	6	P5V			6	P5EXT	7	RX-			7		8	TX-			8	LINE B	9	TXTERM			9		-	FG(SHELL)			-	FG(SHELL)	
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<p>CA3-ADPTRM-01</p>	<p>Connector Terminal Adapter</p>	<p>Function: to make multi-link communication - (Digital: Conversion Adapter for Connector Terminal Block – Adapter converting COM2 port to RS422 terminal block – COM2, GP side: D-Sub 9pin male – Host side: terminal block)</p>	<table border="1" data-bbox="1234 894 1570 1149"> <tr> <td>1</td> <td>TXM</td> <td>1</td> <td>TXM</td> </tr> <tr> <td>2</td> <td>HDA</td> <td>2</td> <td>RDA</td> </tr> <tr> <td>3</td> <td>RDB</td> <td>3</td> <td>RDB</td> </tr> <tr> <td>4</td> <td>NC</td> <td>4</td> <td>GND</td> </tr> <tr> <td>5</td> <td>SG</td> <td>5</td> <td>GND</td> </tr> <tr> <td>6</td> <td>NC</td> <td>6</td> <td>GND</td> </tr> <tr> <td>7</td> <td>SDA</td> <td>7</td> <td>SDA</td> </tr> <tr> <td>8</td> <td>SDB</td> <td>8</td> <td>RDB</td> </tr> <tr> <td>9</td> <td>NC</td> <td>9</td> <td>FG</td> </tr> <tr> <td></td> <td>Shell(FG)</td> <td></td> <td></td> </tr> </table> <p>Dsub: 9-pin connector Termi</p>	1	TXM	1	TXM	2	HDA	2	RDA	3	RDB	3	RDB	4	NC	4	GND	5	SG	5	GND	6	NC	6	GND	7	SDA	7	SDA	8	SDB	8	RDB	9	NC	9	FG		Shell(FG)																							
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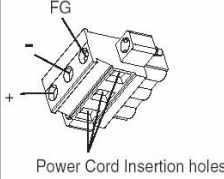
<p>CA3-ADPONL-01</p>	<p>Terminal Adapter for RS422 and RS485 communication also called Online adapter</p>	<p>Function: pull-up and pull-down – (Digital: COM2 Online Adapter – Adapter needed when connecting with RS422/485 – COM2, GP side: D-Sub 9pin male – Host side: D-Sub 9pin female)</p>	<p>Cable diagram</p> <table border="1" data-bbox="982 760 1524 977"> <tr> <td>1</td> <td>RXTERM</td> <td>1</td> <td>RXTERM</td> </tr> <tr> <td>2</td> <td>RX+</td> <td>2</td> <td>RX+</td> </tr> <tr> <td>3</td> <td>TX+</td> <td>3</td> <td>TX+</td> </tr> <tr> <td>4</td> <td>RTS</td> <td>4</td> <td>RTS</td> </tr> <tr> <td>5</td> <td>SG</td> <td>5</td> <td>SG</td> </tr> <tr> <td>6</td> <td>P5V</td> <td>6</td> <td>P5V</td> </tr> <tr> <td>7</td> <td>RX-</td> <td>7</td> <td>RX-</td> </tr> <tr> <td>8</td> <td>TX-</td> <td>8</td> <td>TX-</td> </tr> <tr> <td>9</td> <td>TXTERM</td> <td>9</td> <td>TXTERM</td> </tr> <tr> <td>-</td> <td>FG(SHELL)</td> <td>-</td> <td>FG(SHELL)</td> </tr> </table>	1	RXTERM	1	RXTERM	2	RX+	2	RX+	3	TX+	3	TX+	4	RTS	4	RTS	5	SG	5	SG	6	P5V	6	P5V	7	RX-	7	RX-	8	TX-	8	TX-	9	TXTERM	9	TXTERM	-	FG(SHELL)	-	FG(SHELL)
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Others

<p>CA3-BUSCVR-01</p>	<p>Bus connection cover for PS3600G/AGP</p>	<p>Rear Connector Cover - Simple covers that are already there on new panel – covering the GMU-interfaces</p>		
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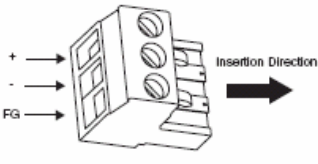
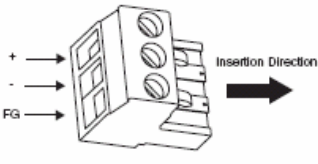
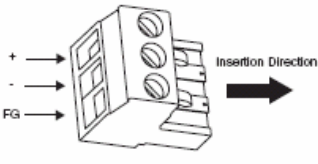
<p>ST03-A2B-MPI21-PFE</p>	<p>ST03-A2B-MPI21-PFE for ST403 and AGP3302B</p>			
<p>GP3000-MPI21-PFE</p>	<p>GP3000-MPI21-PFE for all AGP-series expect AGP3302B</p>	<p>Note: be aware to connect the Helmholtz Profibus connector on PLC-side!</p>		
<p>GMVSTBW2.5-3-STF-7.62</p>	<p>for PS and bigger size AGP</p>	<p>Phoenix Contact - (Digital: DC Power Supply Connector for Large-sized Units – CA5-DCCNL-01 – Connector for attaching power supply to large-sized units – DC only)</p>	<p>(Use for GP-3500/3600/3700 series)</p>	<p>Not standard product of Pro-face. Order directly at Phoenix Contact or others as Farnell.</p>

Power Plug Specifications

	+	24V
	-	0V
	FG	Grounding Terminal connected to the GP chassis

NOTE

- The power supply cord should be equivalent to the specification shown above. Be sure to twist the power cords together, up to the power plug. (See illustration as shown below)
- The power plug GMVSTBW2,5/3-STF-7,62 is made by Phoenix Contact.

<p>MSTB2.5/3-ST-5.08</p>	<p>for ST and smaller size AGP</p>	<p>Phoenix Contact – (Digital: DC Power Supply Connector for Medium-sized Units – CA5-DCCNM-01 – Connector for attaching power supply to medium-sized units – DC only)</p>	<p>Power Plug: 1 (Attached to the GP unit) (Use for GP-3300/3400 series)</p>  <p>■ Power Plug Specifications</p> <table border="1" data-bbox="831 557 1528 735"> <tr> <td rowspan="3">  </td> <td>+</td> <td>24V</td> </tr> <tr> <td>-</td> <td>0V</td> </tr> <tr> <td>FG</td> <td>Grounding Terminal connected to the AGP chassis</td> </tr> </table> <p>NOTE</p> <ul style="list-style-type: none"> • The power supply cord should be equivalent to the specification shown above. Be sure to twist the power cords together, up to the power plug. (See illustration as shown below) • The power supply plug MSTB2.5/3-ST-5.08 is made by Phoenix Contact. 		+	24V	-	0V	FG	Grounding Terminal connected to the AGP chassis	<p>Farnell order code: 370-5365</p>
	+	24V									
	-	0V									
	FG	Grounding Terminal connected to the AGP chassis									