




	Solutions Module Installation: Automation (I/O Expansion)
	Installation du module de solutions: automation (Extension E/S)
	Solutions Modul Installation: Automation (E/A Erweiterung)
	Installazione Solutions Module: Automazione (Espansione di I/O)
	Instalación de los Módulos de Soluciones: Automatización (E/S Expansion)
	Installatie van de optiemodule: Intelligente uitbreidingen (I/O Uitbreiding)



CAUTION: Power down the drive before fitting / removing the Solutions Modules. Failure to do so may result in damage to the product. Refer to section *Safety Information* in the appropriate drive manual.

ATTENTION: couper l'alimentation avant l'installation ou le retrait d'un module de solutions. Ne pas suivre cette mise en garde pourrait endommager le produit. Se référer à la section *Informations relatives à la sécurité* de la notice du variateur correspondant

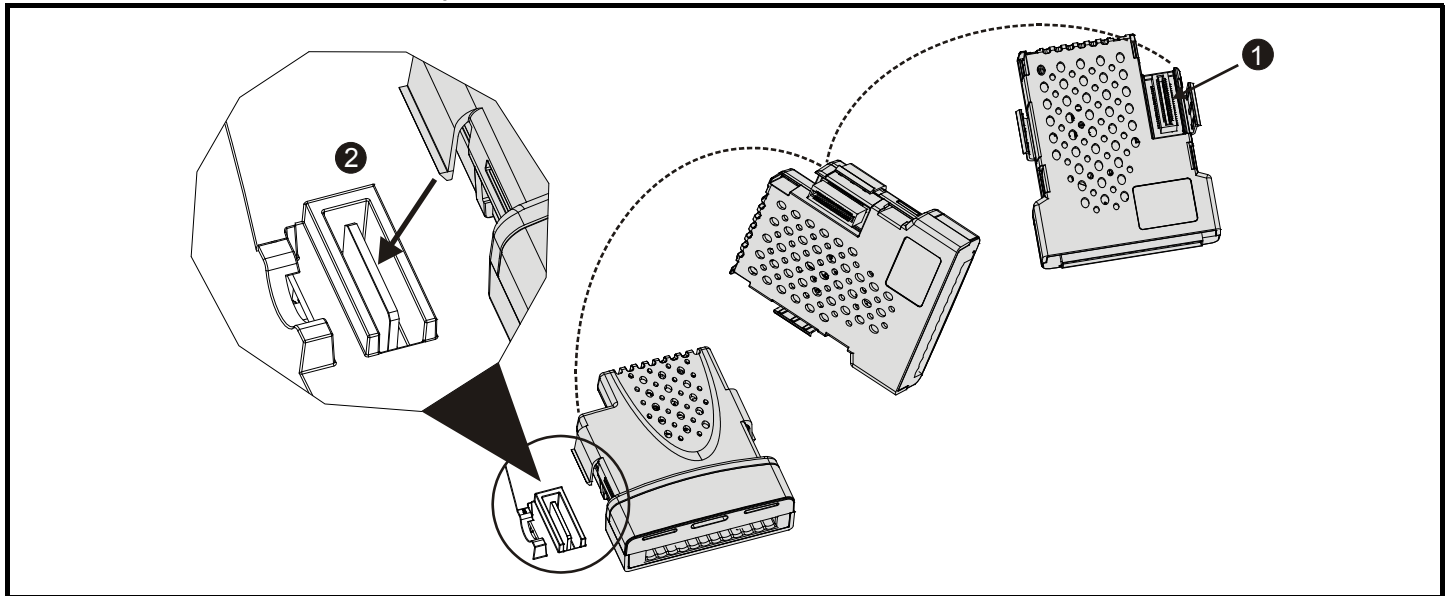
VORSICHT: Solutions Module nur bei ausgeschaltetem Antrieb Stecken / Entfernen. Andernfalls kann es zu Zerstörung des Produktes kommen. Siehe auch Kapitel *Sicherheitsinformationen* in der Betriebsanleitung / Erste Schritte.

ATTENZIONE: Togliere tensione al drive prima di inserire / rimuovere i Moduli opzionali. Fare riferimento alla sezione *Informazioni sulla Sicurezza* nel manuale relativo al drive in uso.

ATENCION: Quitar la alimentación de potencia antes de poner ó quitar los Módulos de Soluciones. Se pueden producir daños en el equipo. Ver la sección *Información de Seguridad* en el manual del accionamiento

ATTENTIE: Voor het plaatsen of verwijderen van de optiemodules eerst de voeding van de regelaar uitschakelen, daar dit anders tot schade aan het product kan leiden. Raadpleeg het hoofdstuk *Safety Information* in de handleiding van de desbetreffende regelaar.

Fitting a Solutions Module / Monter un module Solutions / Montage eines Solutions Modul / Inserimento del Modulo Soluzioni / Colocando un módulo de Soluciones / Plaatsen van een optiemodule



The Solutions Module connector is located on the underside of the module (1). Push this into the Solutions Module slot located on the drive until it clicks into place (2). Note that some drives require a protective tab to be removed from the Solution Module slot. For further information, refer to the appropriate drive manual.

Le connecteur du Module Solutions est situé sous le module (1). Appuyer le connecteur dans l'emplacement du variateur prévu pour les Modules Solutions, jusqu'à l'obtention d'un clic (2). Il est à noter qu'une protection doit être enlevée de cet emplacement pour certains variateurs. Pour plus d'informations, se référer à la notice du variateur correspondant.

Die Steckverbindung des Solutions Modul befindet sich auf der Unterseite des Moduls (1). Drücken Sie diese in den Solutions Modul Steckplatz auf dem Umrichter bis es an seinem Platz einrastet (2). Beachten Sie dabei, dass manche Umrichter beim Entfernen vom Solutions Modul Steckplatz erneut eine Schutzvorrichtung für den Platinenendstecker benötigen. Für weitere Informationen, siehe jeweilige Betriebsanleitung.

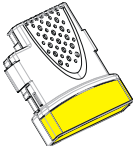
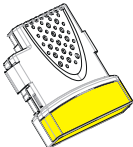



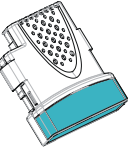

Il connettore del modulo Soluzioni e' localizzato nel lato posteriore del modulo (1). Inserire il Modulo Soluzioni nello slot prescelto del drive verificando il blocco delle linguette laterali (2). Alcuni drive richiedono la rimozione di una protezione sul connettore del drive prima di procedere all' inserimento del Modulo Soluzioni. Per informazioni piu' approfondite al riguardo fare riferimento al manuale relativo al drive in uso.

El conector del módulo de Soluciones está ubicado debajo del mismo (1). Introducirlo en el slot del Módulo de Soluciones ubicado en el propio accionamiento hasta oír el clic que indica que ha sido bien colocado (2). Algunos accionamientos tienen además una tapa en el slot que necesita ser quitada. Para mas información referir se al manual correspondiente.

De stekker van de optiemodule bevindt zich aan de achterzijde. Druk de stekker in de steekplaats van de regelaar totdat de module zich vastklikt. Bij enkele type regelaars moet eerst een beschermkapje dat zich over de steekplaats bevindt, verwijderd worden. Raadpleeg hiervoor de handleiding van de desbetreffende regelaar.



0471-0059-05

Module / Modul / Módulo	Col. / Coul. / Farbe / Kleur	Terminal information / Information sur les bornes / Klemmenbeschreibung / Informazione sul terminale / Información de la regleta de bornes / Aansluitinformatie																																																									
 SM-I/O Plus	Yellow Jaune Gelb Giallo Amarillo Geel	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>21</td><td>22</td><td>23</td></tr> </table> <table border="1"> <thead> <tr> <th>PL1</th> <th>Fun. / Fon.</th> <th>PL1</th> <th>Fun. / Fon.</th> </tr> </thead> <tbody> <tr><td>1</td><td>0V common</td><td>7</td><td>Digital input 5</td></tr> <tr><td>2</td><td>Digital input/output 1</td><td>8</td><td>Digital input 6</td></tr> <tr><td>3</td><td>Digital input/output 2</td><td>9</td><td>Analog input 1</td></tr> <tr><td>4</td><td>Digital input/output 3</td><td>10</td><td>Analog input 2</td></tr> <tr><td>5</td><td>0V common</td><td>11</td><td>0V common</td></tr> <tr><td>6</td><td>Digital input 4</td><td>12</td><td>Analog output 1</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>PL2</th> <th>Fun. / Fon.</th> </tr> </thead> <tbody> <tr><td>21</td><td>Relay 1</td></tr> <tr><td>22</td><td>Relay common</td></tr> <tr><td>23</td><td>Relay 2</td></tr> </tbody> </table>	1	2	3	4	5	6	7	8	9	10	11	12	21	22	23	PL1	Fun. / Fon.	PL1	Fun. / Fon.	1	0V common	7	Digital input 5	2	Digital input/output 1	8	Digital input 6	3	Digital input/output 2	9	Analog input 1	4	Digital input/output 3	10	Analog input 2	5	0V common	11	0V common	6	Digital input 4	12	Analog output 1	PL2	Fun. / Fon.	21	Relay 1	22	Relay common	23	Relay 2						
1	2	3	4	5	6	7	8	9	10	11	12																																																
21	22	23																																																									
PL1	Fun. / Fon.	PL1	Fun. / Fon.																																																								
1	0V common	7	Digital input 5																																																								
2	Digital input/output 1	8	Digital input 6																																																								
3	Digital input/output 2	9	Analog input 1																																																								
4	Digital input/output 3	10	Analog input 2																																																								
5	0V common	11	0V common																																																								
6	Digital input 4	12	Analog output 1																																																								
PL2	Fun. / Fon.																																																										
21	Relay 1																																																										
22	Relay common																																																										
23	Relay 2																																																										
 SM-I/O 32	Yellow Jaune Gelb Giallo Amarillo Geel	<table border="1"> <tr><td>19</td><td>18</td><td>17</td><td>16</td><td>15</td><td>14</td><td>13</td><td>12</td><td>11</td><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td></tr> <tr><td>37</td><td>36</td><td>35</td><td>34</td><td>33</td><td>32</td><td>31</td><td>30</td><td>29</td><td>28</td><td>27</td><td>26</td><td>25</td><td>24</td><td>23</td><td>22</td><td>21</td><td>20</td></tr> </table> <table border="1"> <thead> <tr> <th>PL3</th> <th>Fun. / Fon.</th> </tr> </thead> <tbody> <tr><td>1 - 32</td><td>Digital input/output 1 - 32 (DI01 - 32)</td></tr> <tr><td>33</td><td>+24V out</td></tr> <tr><td>34 - 37</td><td>0V</td></tr> </tbody> </table>	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	PL3	Fun. / Fon.	1 - 32	Digital input/output 1 - 32 (DI01 - 32)	33	+24V out	34 - 37	0V												
19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																																									
37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20																																										
PL3	Fun. / Fon.																																																										
1 - 32	Digital input/output 1 - 32 (DI01 - 32)																																																										
33	+24V out																																																										
34 - 37	0V																																																										
 SM-I/O Lite	Dark yellow Jaune foncé Dunkelgelb Giallo scuro Amarillo oscuro Donkergeel	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>21</td><td>22</td><td>23</td></tr> </table> <table border="1"> <thead> <tr> <th>PL1</th> <th>Fun. / Fon.</th> <th>PL1</th> <th>Fun. / Fon.</th> </tr> </thead> <tbody> <tr><td>1</td><td>0V common</td><td>7</td><td>Digital input 3 / Encoder B</td></tr> <tr><td>2</td><td>Analog input</td><td>8</td><td>Encoder B</td></tr> <tr><td>3</td><td>Analog output</td><td>9</td><td>Encoder A</td></tr> <tr><td>4</td><td>+24V</td><td>10</td><td>Encoder A</td></tr> <tr><td>5</td><td>Digital input 1</td><td>11</td><td>0V</td></tr> <tr><td>6</td><td>Digital input 2</td><td>12</td><td>Encoder +5V</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>PL2</th> <th>Fun. / Fon.</th> </tr> </thead> <tbody> <tr><td>21</td><td>Relay 1</td></tr> <tr><td>22</td><td>Not connected</td></tr> <tr><td>23</td><td>Relay 2</td></tr> </tbody> </table>	1	2	3	4	5	6	7	8	9	10	11	12	21	22	23	PL1	Fun. / Fon.	PL1	Fun. / Fon.	1	0V common	7	Digital input 3 / Encoder B	2	Analog input	8	Encoder B	3	Analog output	9	Encoder A	4	+24V	10	Encoder A	5	Digital input 1	11	0V	6	Digital input 2	12	Encoder +5V	PL2	Fun. / Fon.	21	Relay 1	22	Not connected	23	Relay 2						
1	2	3	4	5	6	7	8	9	10	11	12																																																
21	22	23																																																									
PL1	Fun. / Fon.	PL1	Fun. / Fon.																																																								
1	0V common	7	Digital input 3 / Encoder B																																																								
2	Analog input	8	Encoder B																																																								
3	Analog output	9	Encoder A																																																								
4	+24V	10	Encoder A																																																								
5	Digital input 1	11	0V																																																								
6	Digital input 2	12	Encoder +5V																																																								
PL2	Fun. / Fon.																																																										
21	Relay 1																																																										
22	Not connected																																																										
23	Relay 2																																																										
 SM-I/O Timer	Dark red Rouge foncé Dunkelrot Rosso scuro Rojo oscuro Donkerrood																																																										
 SM-I/O 120V	Olive Oliva Aceituna Olijf	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> </table> <table border="1"> <thead> <tr> <th>PL1</th> <th>Fun. / Fon.</th> <th>PL1</th> <th>Fun. / Fon.</th> </tr> </thead> <tbody> <tr><td>1</td><td>Digital input 1</td><td>7</td><td>Digital input 5</td></tr> <tr><td>2</td><td>Digital input 2</td><td>8</td><td>Digital input 6</td></tr> <tr><td>3</td><td>Neutral for digital inputs 1 & 2</td><td>9</td><td>Neutral for digital inputs 5 & 6</td></tr> <tr><td>4</td><td>Digital input 3</td><td>10</td><td>Relay 1</td></tr> <tr><td>5</td><td>Digital input 4</td><td>11</td><td>0V common</td></tr> <tr><td>6</td><td>Neutral for digital inputs 3 & 4</td><td>12</td><td>Relay 2</td></tr> </tbody> </table>	1	2	3	4	5	6	7	8	9	10	11	12	PL1	Fun. / Fon.	PL1	Fun. / Fon.	1	Digital input 1	7	Digital input 5	2	Digital input 2	8	Digital input 6	3	Neutral for digital inputs 1 & 2	9	Neutral for digital inputs 5 & 6	4	Digital input 3	10	Relay 1	5	Digital input 4	11	0V common	6	Neutral for digital inputs 3 & 4	12	Relay 2																	
1	2	3	4	5	6	7	8	9	10	11	12																																																
PL1	Fun. / Fon.	PL1	Fun. / Fon.																																																								
1	Digital input 1	7	Digital input 5																																																								
2	Digital input 2	8	Digital input 6																																																								
3	Neutral for digital inputs 1 & 2	9	Neutral for digital inputs 5 & 6																																																								
4	Digital input 3	10	Relay 1																																																								
5	Digital input 4	11	0V common																																																								
6	Neutral for digital inputs 3 & 4	12	Relay 2																																																								
 SM-I/O PELV	Turquoise Türkis Turchese Turquesa Turkoois	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> </table> <table border="1"> <thead> <tr> <th>PL1</th> <th>Fun. / Fon.</th> <th>PL1</th> <th>Fun. / Fon.</th> </tr> </thead> <tbody> <tr><td>1</td><td>0V common</td><td>10</td><td>Analog output 1</td></tr> <tr><td>2</td><td>+24V input</td><td>11</td><td>0V common</td></tr> <tr><td>3</td><td>Digital I/O 1</td><td>12</td><td>Analog output 2</td></tr> <tr><td>4</td><td>Digital I/O 2</td><td>13</td><td>0V common</td></tr> <tr><td>5</td><td>Digital I/O 3</td><td>14</td><td>Relay 1 contact 1</td></tr> <tr><td>6</td><td>Digital I/O 4</td><td>15</td><td>Relay 1 contact 2</td></tr> <tr><td>7</td><td>Digital input 5 / Freeze input</td><td>16</td><td>Relay 2 contact 1</td></tr> <tr><td>8</td><td>Analog input 1 non-inverting input</td><td>17</td><td>Relay 2 contact 2</td></tr> <tr><td>9</td><td>Analog input 1 inverting input</td><td></td><td></td></tr> </tbody> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	PL1	Fun. / Fon.	PL1	Fun. / Fon.	1	0V common	10	Analog output 1	2	+24V input	11	0V common	3	Digital I/O 1	12	Analog output 2	4	Digital I/O 2	13	0V common	5	Digital I/O 3	14	Relay 1 contact 1	6	Digital I/O 4	15	Relay 1 contact 2	7	Digital input 5 / Freeze input	16	Relay 2 contact 1	8	Analog input 1 non-inverting input	17	Relay 2 contact 2	9	Analog input 1 inverting input		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17																																											
PL1	Fun. / Fon.	PL1	Fun. / Fon.																																																								
1	0V common	10	Analog output 1																																																								
2	+24V input	11	0V common																																																								
3	Digital I/O 1	12	Analog output 2																																																								
4	Digital I/O 2	13	0V common																																																								
5	Digital I/O 3	14	Relay 1 contact 1																																																								
6	Digital I/O 4	15	Relay 1 contact 2																																																								
7	Digital input 5 / Freeze input	16	Relay 2 contact 1																																																								
8	Analog input 1 non-inverting input	17	Relay 2 contact 2																																																								
9	Analog input 1 inverting input																																																										
 SM-I/O 24V Protected	Cobalt blue Bleu cobalt Kobalt blau Blu cobalto Azul cobalto Kobaltblauw	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> </table> <table border="1"> <thead> <tr> <th>PL1</th> <th>Fun. / Fon.</th> <th>PL1</th> <th>Fun. / Fon.</th> </tr> </thead> <tbody> <tr><td>1</td><td>0V common</td><td>10</td><td>Analog output 1</td></tr> <tr><td>2</td><td>0V common</td><td>11</td><td>0V common</td></tr> <tr><td>3</td><td>Digital I/O 1</td><td>12</td><td>Analog output 2</td></tr> <tr><td>4</td><td>Digital I/O 2</td><td>13</td><td>0V common</td></tr> <tr><td>5</td><td>Digital I/O 3</td><td>14</td><td>Relay 1 contact 1</td></tr> <tr><td>6</td><td>Digital I/O 4</td><td>15</td><td>Relay 1 contact 2</td></tr> <tr><td>7</td><td>Digital input 5</td><td>16</td><td>Relay 2 contact 1</td></tr> <tr><td>8</td><td>Digital input 6</td><td>17</td><td>Relay 2 contact 2</td></tr> <tr><td>9</td><td>Digital input 7</td><td></td><td></td></tr> </tbody> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	PL1	Fun. / Fon.	PL1	Fun. / Fon.	1	0V common	10	Analog output 1	2	0V common	11	0V common	3	Digital I/O 1	12	Analog output 2	4	Digital I/O 2	13	0V common	5	Digital I/O 3	14	Relay 1 contact 1	6	Digital I/O 4	15	Relay 1 contact 2	7	Digital input 5	16	Relay 2 contact 1	8	Digital input 6	17	Relay 2 contact 2	9	Digital input 7		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17																																											
PL1	Fun. / Fon.	PL1	Fun. / Fon.																																																								
1	0V common	10	Analog output 1																																																								
2	0V common	11	0V common																																																								
3	Digital I/O 1	12	Analog output 2																																																								
4	Digital I/O 2	13	0V common																																																								
5	Digital I/O 3	14	Relay 1 contact 1																																																								
6	Digital I/O 4	15	Relay 1 contact 2																																																								
7	Digital input 5	16	Relay 2 contact 1																																																								
8	Digital input 6	17	Relay 2 contact 2																																																								
9	Digital input 7																																																										

For full details on any of the Solutions Modules, please refer to the appropriate Solutions Module user guide.

Pour une information complète sur les modules de solutions, veuillez vous référer à la notice du module de solutions concerné.

Eine ausführliche Beschreibung der Funktion und Parameter zu den Solutions Modulen ist dem jeweiligen Handbuch zu entnehmen.

Per la completa descrizione dei singoli Solution Modules fare riferimento alla guida utente relativa al particolare modulo.

Para información completa de los Módulos de Soluciones, por favor ver la correspondiente guía de usuario.

Raadpleeg voor volledige informatie over de optiemodules de van toepassing zijnde handleiding.



0471-0059-05