

ALXION

AUTOMATIQUE & PRODUCTIQUE

Cables marking for ST & STK MOTORS

N°0000000-WP024

ALXION AUTOMATIQUE & PRODUCTIQUE	Cables marking for ST & STK MOTORS	EMETTEUR : SV
		Modifié le : 28/01/10
		N° 0000000-WP024
		Indice : D
		Page 2/8

MODIFICATIONS

<i>Date</i>	<i>Indice</i>	<i>Modifications</i>	<i>Visa</i>	<i>Origine</i>
13/03/06	A	Création du document	JMC	BE
20/04/06	B	Updated wiring for 7,8 & 9 encoder options	JMC	BE
18/06/08	C	Modified cable marking for encoder ERN180 or ERN1381	SV	BE
27/01/10	D	Modified cable marking for encoder option 2,3,4,5,7,8 & 9	SV	BE

Cables marking for STK motors

Power cable

In case of wires output or shielded cable output marking is the same.

Phase 1	U or 1
Phase 2	V or 2
Phase 3	W or 3

Thermal sensors cable

KTY84	Green/Yellow
PTC	Brown/White

Cables marking for ST motors

Power cable

Phase 1	U or 1
Phase 2	V or 2
Phase 3	W or 3

Resolver cable (Options 1 & 6)

Green	Sine+
Yellow	Sine-
White	Cosine+
Brown	Cosine-
Red	Input Carrier+
Blue	Input Carrier-
Grey	PTC
Pink	PTC
Black	KTY84
Violet	KTY84

ALXION AUTOMATIQUE & PRODUCTIQUE	Cables marking for ST & STK MOTORS	EMETTEUR : SV
		Modifié le : 28/01/10
		N° 0000000-WP024
		Indice : D
		Page 5/8

ERN180 or ERN1381 cable (Option 2 & 5)

Encoder signal and wire color

Green	A+
Yellow	A-
Blue	R+
Red	R-
Grey	B+
Pink	B-
White	0V
Brown	Up

Thermal sensor and wire color

Motor product before 2010	
Black	Thermal
Violet	Thermal

Motor product from 2010	
Black	PTC
Violet	PTC
Grey/Pink	KTY84
Red/Blue	KTY84

Thermal sensor can be either KTY84 or PTC.
See thermal sensor digit in motor part number.

ALXION AUTOMATIQUE & PRODUCTIQUE	Cables marking for ST & STK MOTORS	EMETTEUR : SV
		Modifié le : 28/01/10
		N° 0000000-WP024
		Indice : D
		Page 6/8

SCK KIT 101 cable (Option 3)

White	Us
Brown	GND
Green	REFSIN
Yellow	+SIN
Pink	+COS
Grey	REFCOS
Blue	DATA+ RS485
Red	DATA- RS485

Thermal sensor and wire color

Motor product before 2010	
Black	Thermal
Violet	Thermal

Motor product from 2010	
Black	PTC
Violet	PTC
Grey/Pink	KTY84
Red/Blue	KTY84

Thermal sensor can be either KTY84 or PTC.
See thermal sensor digit in motor part number.

ALXION AUTOMATIQUE & PRODUCTIQUE	Cables marking for ST & STK MOTORS	EMETTEUR : SV
		Modifié le : 28/01/10
		N° 0000000-WP024
		Indice : D
		Page 7/8

ERN1387 cable (Option 4)

White	A+
Brown	A-
Green	R+
Yellow	R-
Pink	D+
Grey	D-
Blue	C+
Red	C-
Grey/Pink	B+
Red/Blue	B-
White/green	0V
Brown/Green	Up

Thermal sensor and wire color

Motor product before 2010	
Black	Thermal
Violet	Thermal

Motor product from 2010	
Black	PTC
Violet	PTC
White/Yellow	KTY84
Yellow/Brown	KTY84

Thermal sensor can be either KTY84 or PTC.
See thermal sensor digit in motor part number.

ALXION AUTOMATIQUE & PRODUCTIQUE	Cables marking for ST & STK MOTORS	EMETTEUR : SV
		Modifié le : 28/01/10
		N° 0000000-WP024
		Indice : D
		Page 8/8

ECN113 or ECN1313 or EQN1325 cable (Options 7, 8 & 9)

White	Up
Brown	0V
Green	A+
Yellow	A-
Pink	B-
Grey	B+
Blue	DATA+
Red	DATA-
Black	CLOCK+
Violet	CLOCK-

Thermal sensor and wire color

Motor product before 2010	
Grey/Pink	Thermal
Red/Blue	Thermal

Motor product from 2010	
Grey/Pink	PTC
Red/Blue	PTC
White/green	KTY84
Brown/Green	KTY84

Thermal sensor can be either KTY84 or PTC.
See thermal sensor digit in motor part number.