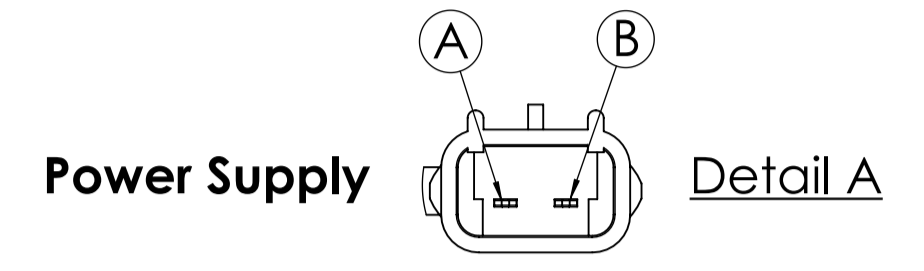
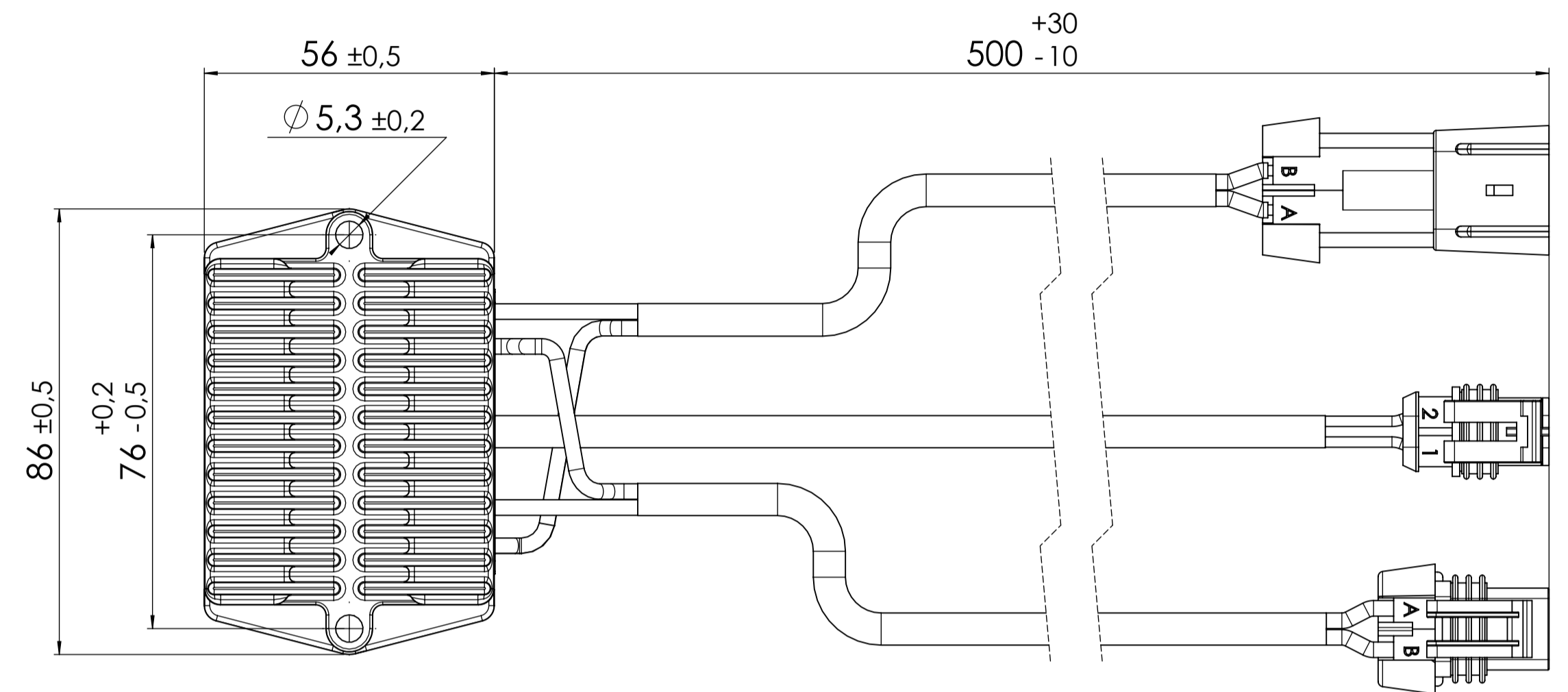
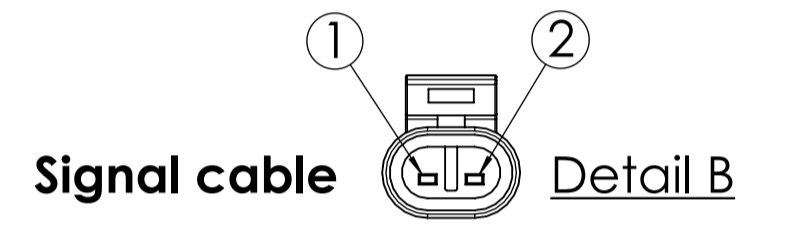


ETICHETTA: ELETTRONICA COMEX
LABEL: COMEX ELECTRONICS

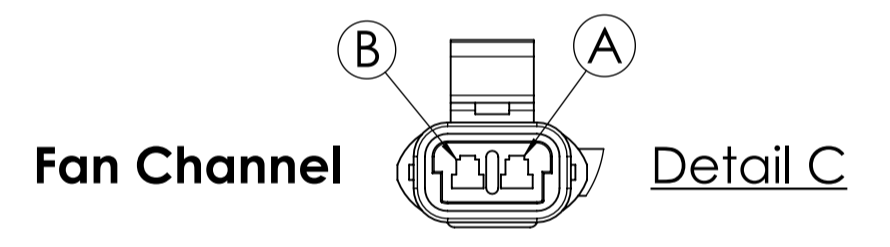


Connector type METRI-PACK 280 , PN 1530.0002						
PIN	FUNCTION	TERMINAL	WIRE SEAL	WIRE SIZE (mm ²)	WIRE SHEATH	WIRE COLOUR
A	Power Supply +	1212.9497	1201.5323 (Green)	2.5	PVC HT 105°C	ORANGE
B	Power Supply -	1212.9497	1201.5323 (Green)	2.5	PVC HT 105°C	BROWN

Secondary Lock type 1530.0014



Connector type AMP SuperSeal 1.5 , PN 282080-1						
PIN	FUNCTION	TERMINAL	WIRE SEAL	WIRE SIZE (mm ²)	WIRE SHEATH	WIRE COLOUR
1	+5V NTC	282110-1	281934-2 (Yellow)	1.0	PVC HT 105°C	BLUE
2	Feedback NTC Signal	282110-1	281934-2 (Yellow)	1.0	PVC HT 105°C	BLACK

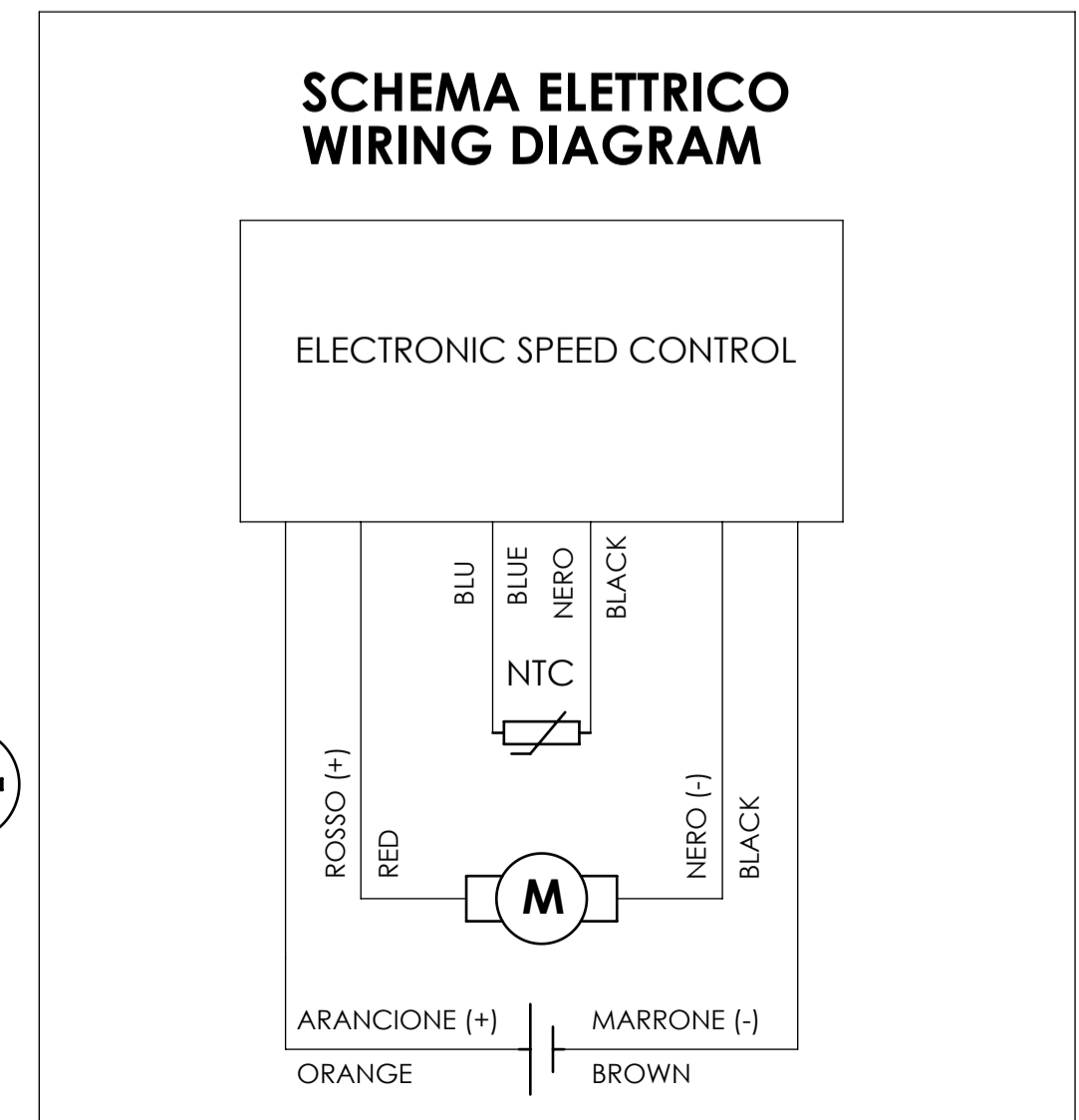
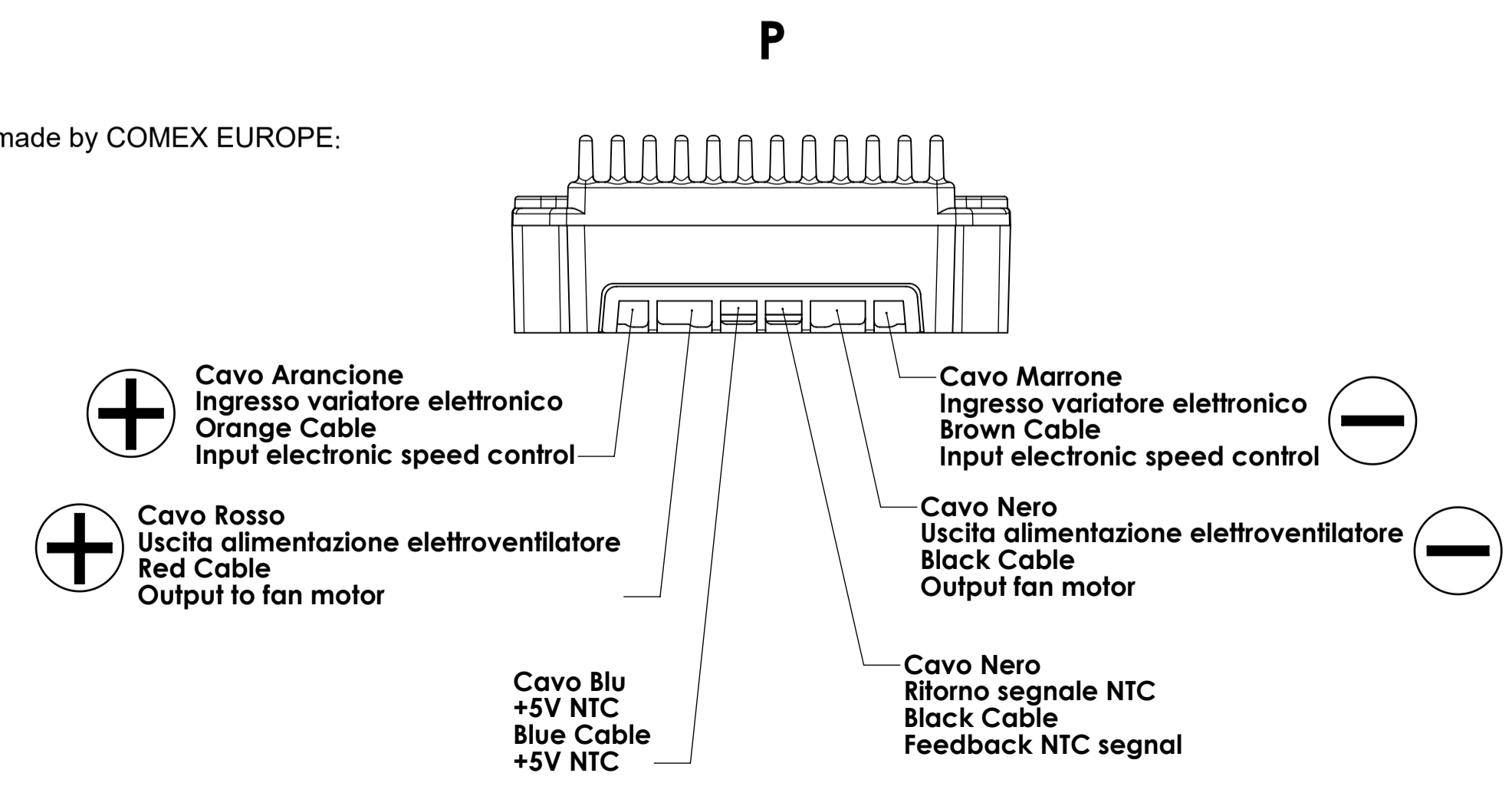


Connector type METRI-PACK 280 , PN 1530.0027						
PIN	FUNCTION	TERMINAL	WIRE SEAL	WIRE SIZE (mm ²)	WIRE SHEATH	WIRE COLOUR
A	FAN +	1212.9493	1201.5323 (Green)	2.5	PVC HT 105°C	RED
B	FAN -	1212.9493	1201.5323 (Green)	2.5	PVC HT 105°C	BLACK

Secondary Lock type 1530.0014

TECHNICAL DATA:

- The electronics works also as SOFT-START with starting current not over 10% of the operating current.
- The electronics is protected against any accidental block of the electric fan for the self protection, **anyway it is necessary to have a FUSE (for each single electric fan). The fuse dimensions must be suitable for the input current of the electric fan used.**
- Protection against the reverse polarity.
- Protection against Load-Dump.
- Type of signal:
 - Signal type ON-OFF, from Thermostat (2 wires)
 - Signal by temperature sensor NTC by 10kΩ at 25°C β(25/85) = 4100, with variable speed control in function of the temperature (2 wires)
- Operation:
 - Minimum Speed = 20%
 - Temperature @Min.Speed = 35°C (6400Ω)
 - Maximum Speed = 100%
 - Temperatura @Max.Speed = 55°C (2845Ω)
- Ambient Temperature: -20°C / +85°C
- Storage Temperature: -40°C / +95°C
- NTC Signal harness: see on drawing.
- Power supply line harness: see on drawing.
- Fan output line harnesses: see on drawing.
- EMC - The electronic speed control, subject to the use of an appropriate electric fan produced by COMEX EUROPE, is:
 - conformity to EN-61000-6-4 when it used in combination with standard fan
 - conformity to EN-61000-6-3 when it used in combination with standard fan complies with the standard
 - conformity to EN-13309 when it used in combination with standard fan
 - conformity to EN-50498 when it used in combination with standard fan
 - conformity to EN-14982 when it used in combination with a fan with additional FP filter
 - conformity to 2006-28-EC when it used in combination with directive fan complies with the directive
 - approved according to UN ECE R10-05 regulation
- ESC2 IP protection level:
 - **IP6K8** ISO 20653-2013 (test done in water at 1 meter immersion for 24h).
 - **IP6K9K** ISO 20653-2013.
- ESC2 is according to the Test VII from ISO 16750-3-2012 (random vibration).
- ESC2 is according to the ISO 16750-3-2012 cl. 4.2.2.2 (mechanical shock), test done with 50g acceleration and 6ms of pulse duration.
- Lifetime : More than 5.000h @ the maximum working temperature.
- The aluminum case is directly connected to the ground of the power supply line.
- Rated power supply 7 - 40 Vdc
- Stand-by current 5mA at 12V.
- Control type in PWM (10kHz).
- Maximum operating current in continuous working conditions 20A.
- Intervention value for current protection: 35A
- IMMUNITY conformity to the following norms, subject to the use of an appropriate electric fan made by COMEX EUROPE:
 - EN61000-4-2 (Level 3) Protection against Electrostatics Discharge (ESD)
 - EN61000-4-3 (10V/m 80Mhz - 1GHz)
 - EN61000-4-4
 - EN61000-4-6
 - EN61000-4-8 (100A/m@50Hz)
 - EN61000-6-2
 - ISO 7637/2 or DIN 40839 Level 4
 - EN 13309
 - EN 50498
 - UN ECE R10-05 (10-2014)



REV	DESC	DATA/DATE	FIRMA/SIGN	DESCRIZIONE / DESCRIPTION
08		16/09/2020	D.B.	Aggiornato disegno. Updated drawing.
07		07/05/2020	D.B.	E-1: Aggiornata nota; Aggiunte tabelle cablaggi. E-1: Updated note; Added cables tables.
06		03/07/2018	D.B.	E-1: Aggiornata nota; Aggiornato modello; Aggiornate note sui cablaggi. E-1: Updated note; Updated model; Updated cables notes.
05		22/11/2016	D.B.	Introdotta nuova etichetta con indicazione E13 R10; Introduced new label with E13 R10 indication.
04		24/08/2014	D.B.	L-7: Tolta etichetta cliente. L-7: Customer label removed.
03		09/12/2015	D.B.	L-7: Aggiunta etichetta cliente. L-7: Customer label added.
02		06/11/2015	D.B.	B-2, L-7: Tolle etichette; B-15: Aggiunta etichetta elettronica; B-2, L-7: Removed label; B-15: electronic label added.
01		28/07/2015	D.B.	Aggiornati modello, viste, note e cartiglio; Modificato colore cavi sul cablaggio AMP SS 1.5. Updated model, views, notes and title block; Modified AMP SS 1.5 colour cable.

DESCRIZIONE / DESCRIPTION: ESC-1N3555V001

SCALE / SCALE: 1 : 1

REVISIONE / REVISION: 08

UNIFORMITY: UNI EN 22748

