

## INGRESSO

- Nominale AC: 220/240 Vac  $-10/+10\%$  50/60Hz.
- Range DC: 196/250 Vdc per applicazioni d'emergenza secondo EN 61347-2-13 Annex J nel Campo nominale 196/250Vdc
- Morsettiera 1 x 0.5... 1.5 mm<sup>2</sup>.
- Corrente massima: 0.30 A.
- Fattore di potenza  $\lambda$ : 0.9 @ Pout >18W
- Armoniche corrente assorbita: secondo EN 61000-3-2.
- Inrush current: 5A 50uS.

## USCITA

- Isolamento SELV.
- Morsettiera 1 x 0,5...1.5 mm<sup>2</sup>.
- Selezione corrente e tensione di uscita tramite NFC e tool software di programmazione.
- Potenza massima e precisione di corrente:
  - 16,2W @ 300mA  $\pm 5\%$  (10...54V)
  - 18,9W @ 350mA  $\pm 5\%$  (10...54V)
  - 21,6W @ 400mA  $\pm 5\%$  (10...54V)
  - 24,3W @ 450mA  $\pm 5\%$  (10...54V)
  - 27,0W @ 500mA  $\pm 5\%$  (10...54V)
  - 29,7W @ 550mA  $\pm 5\%$  (10...54V)
  - 32,4W @ 600mA  $\pm 5\%$  (10...54V)
  - 35,1W @ 650mA  $\pm 5\%$  (10...54V)
  - 37,8W @ 700mA  $\pm 5\%$  (10...54V)
  - 40,5W @ 750mA  $\pm 5\%$  (10...54V)
  - 43,2W @ 800mA  $\pm 5\%$  (10...54V)
  - 45,9W @ 850mA  $\pm 5\%$  (10...54V)
  - 48,6W @ 900mA  $\pm 5\%$  (10...54V)
  - 51,3W @ 950mA  $\pm 5\%$  (10...52,6V)
  - 52,0W @ 1000mA  $\pm 5\%$  (10...52V)
  - 52,0W @ 1050mA  $\pm 5\%$  (10...49,5V)
  - 52,0W @ 1100mA  $\pm 5\%$  (10...47,3V)
  - 52,0W @ 1150mA  $\pm 5\%$  (10...45,3V)
  - 52,0W @ 1200mA  $\pm 5\%$  (10...43,3V)
  - 52,0W @ 1250mA  $\pm 5\%$  (10...41,6V)
  - 52,0W @ 1300mA  $\pm 5\%$  (10...40V)
  - 52,0W @ 1350mA  $\pm 5\%$  (10...38,5V)
  - 52,0W @ 1400mA  $\pm 5\%$  (10...37,2V)
- Tensione in uscita massima: <60 VDC.
- Efficienza massimo carico@1400mA:89,5%  
Efficienza massimo carico@950mA:91,5%

## REGOLAZIONE

- Regolabile con segnale DALI (EN 62386 101/102 ed. 2).
- AM DIMMING 1-100% (corrente minima 10mA).
- Pulsante collegabile su lato primario tra fase e morsetto DA (impedenza 170Kohm).
- Ripristino del livello di regolazione al ritorno dell'alimentazione (regolazione PUSH-SWITCH).
- Possibilità di abilitare BILEVEL N.
- Funzione CLO a 20 step.
- DT50 / DT51 / DT52.

## INPUT

- Nominal AC: 220/240 Vac  $-10/+10\%$  50/60Hz.
- Range DC: 196/250 Vdc for emergency application according to EN 61347-2-13 Annex J in the rated 196/250Vdc
- Terminal block for up to 1 x 0.5...1.5 mm<sup>2</sup>.
- Max Input Current: 0.30A.
- Power factor  $\lambda$ : 0.9 @ Pout >18W.
- Harmonic content of mains current: according to EN 61000-3-2.
- Inrush current: 5A 50uS.

## OUTPUT

- SELV insulation on output.
- Terminal block for up to 1 x 0,5...1.5 mm<sup>2</sup>.
- Selection of current and voltage output through NFC and software programming tool.
- Max output power and current precision:
  - 16,2W @ 300mA  $\pm 5\%$  (10...54V)
  - 18,9W @ 350mA  $\pm 5\%$  (10...54V)
  - 21,6W @ 400mA  $\pm 5\%$  (10...54V)
  - 24,3W @ 450mA  $\pm 5\%$  (10...54V)
  - 27,0W @ 500mA  $\pm 5\%$  (10...54V)
  - 29,7W @ 550mA  $\pm 5\%$  (10...54V)
  - 32,4W @ 600mA  $\pm 5\%$  (10...54V)
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  - 37,8W @ 700mA  $\pm 5\%$  (10...54V)
  - 40,5W @ 750mA  $\pm 5\%$  (10...54V)
  - 43,2W @ 800mA  $\pm 5\%$  (10...54V)
  - 45,9W @ 850mA  $\pm 5\%$  (10...54V)
  - 48,6W @ 900mA  $\pm 5\%$  (10...54V)
  - 51,3W @ 950mA  $\pm 5\%$  (10...52,6V)
  - 52,0W @ 1000mA  $\pm 5\%$  (10...52V)
  - 52,0W @ 1050mA  $\pm 5\%$  (10...49,5V)
  - 52,0W @ 1100mA  $\pm 5\%$  (10...47,3V)
  - 52,0W @ 1150mA  $\pm 5\%$  (10...45,3V)
  - 52,0W @ 1200mA  $\pm 5\%$  (10...43,3V)
  - 52,0W @ 1250mA  $\pm 5\%$  (10...41,6V)
  - 52,0W @ 1300mA  $\pm 5\%$  (10...40V)
  - 52,0W @ 1350mA  $\pm 5\%$  (10...38,5V)
  - 52,0W @ 1400mA  $\pm 5\%$  (10...37,2V)
- Max. Output voltage: <60 VDC.
- Efficiency at full load@1400mA:89,5%  
Efficiency at full load@950mA:91,5%

## DIMMING

- Dimmable by DALI (EN 62386 101/102 ed. 2).
- AM DIMMING 1-100% (min current 10mA).
- Terminal block on primary side for push button; connection between phase and DA terminal block (Impedance 170Kohm).
- Dimming level memory at mains restore (for PUSH-SWITCH dimming).
- BILEVEL N function as option.
- 20 step CLO function.
- DT50 / DT51 / DT52.

ENTE EMITTENTE: DT      Compilato \_\_\_\_\_ Visto \_\_\_\_\_

- Impostazione funzionamento in alimentazione DC per emergenza. Default corrente di uscita 15%.

#### PROTEZIONI

- All'ingresso, contro sovratensioni impulsive di rete ( secondo EN 61547).
- Protezione al corto circuito e al circuito aperto.
- Thermal and overload protection (C.5.a EN 61347-1).
- Against input overvoltages from mains (according to EN61547) up to 2KV N-L , 3KV N-GND and 3KV L-GND.

#### FILTRO ANTIDISTURBO EMI

- Secondo EN55015.

#### AMBIENTE

- Temp. ambiente: -25...50 °C.
- tc max = 80 °C.
- tc life 50000H = 80°C.
- Contenitore metallico IP20.

#### SICUREZZA

- Hi-pot test: LN vs SEC @ 3kV, 100%.
- Hi-pot test: (LN e SEC) vs Terra @ 2kV, 100%

#### NORMATIVE

- EN 61347-1 ; EN 61347-2-13 ; EN 61547 ; EN 55015 ; EN 61000-3-2 ; EN62384 ; DIN VDE 0710 teil 14.
- EN 62386-101, EN 62386-102, EN 62386-207, DALI2.
- DiiA Extensions ,DT50, DT51, DT52.
- KEMA KEUR / ENEC05 pending.

#### DIMENSIONI

- L=280mm / B=30 mm / H = 21 mm.

- Configurable behaviour in DC emergency. Default output current 15%.

#### PROTECTIONS

- Against input overvoltages from mains (according to EN61547).
- Against short circuit and open circuit.
- Protezione al sovraccarico e di temperatura (C.5.a della EN 61347-1).
- All'ingresso, contro sovratensioni impulsive di rete (secondo EN 61547) fino a 2KV N-L , 3KV N-GND e 3KV L-GND.

#### EMI

- According to EN55015.

#### AMBIENT

- Ambient Temp.: -25....50 °C.
- tc max = 80 °C.
- tc life 50000H = 80°C.
- Metal case IP20.

#### SAFETY

- Hi-pot test: LN vs SEC @ 3kV, 100%.
- Hi-pot test: (LN and SEC) vs GND@ 2kV,100%

#### STANDARDS

- EN 61347-1 ; EN 61347-2-13 ; EN 61547 ; EN 55015 ; EN 61000-3-2 ; EN62384 ; DIN VDE 0710 teil 14.
- EN 62386-101, EN 62386-102, EN 62386-207, DALI2.
- DiiA Extensions DT50, DT51, DT52.
- KEMA KEUR / ENEC05 pending.

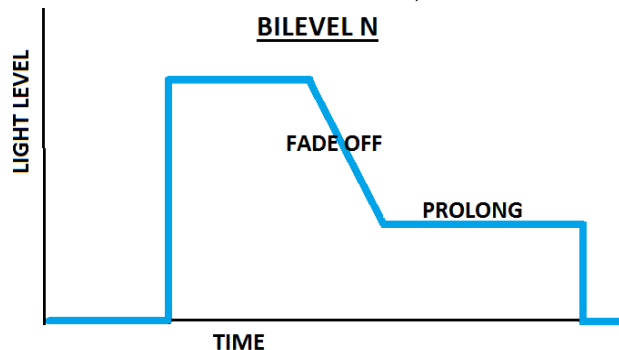
#### DIMENSIONS

- L=280mm / B=30 mm / H = 21 mm.

ENTE EMITTENTE: DT Compilato \_\_\_\_\_ Visto \_\_\_\_\_



- keep enabled the SWITCH for at least 10 seconds to reset the dimming level to 30%;
- keep enabled the SWITCH for at least 60 seconds to enable **BILEVEL N** function:
  - keep pressed for 100% level;
  - FADE OFF time is 30 seconds, light level 10%;
  - PROLONG time is 30 minutes, then OFF.



### ***DALI Interface – supported commands***

| Command   | Command Name                          | Implemented / Reaction |
|-----------|---------------------------------------|------------------------|
| –         | DIRECT ARC POWER CONTROL              | yes                    |
| 0         | OFF                                   | yes                    |
| 1         | UP                                    | yes                    |
| 2         | DOWN                                  | yes                    |
| 3         | STEP UP                               | yes                    |
| 4         | STEP DOWN                             | yes                    |
| 5         | RECALL MAX LEVEL                      | yes                    |
| 6         | RECALL MIN LEVEL                      | yes                    |
| 7         | STEP DOWN AND OFF                     | yes                    |
| 8         | ON AND STEP UP                        | yes                    |
| 9         | ENABLE DAPC SEQUENCE                  | yes                    |
| 16 – 31   | GOTO SCENE                            | yes                    |
| 32        | RESET                                 | yes                    |
| 33        | STORE ACTUAL LEVEL IN THE DTR         | yes                    |
| 42        | STORE THE DTR AS MAX LEVEL            | yes                    |
| 43        | STORE THE DTR AS MIN LEVEL            | yes                    |
| 44        | STORE THE DTR AS SYSTEM FAILURE LEVEL | yes                    |
| 45        | STORE THE DTR AS POWER ON LEVEL       | yes                    |
| 46        | STORE THE DTR AS FADE TIME            | yes                    |
| 47        | STORE THE DTR AS FADE RATE            | yes                    |
| 64 – 79   | STORE THE DTR AS SCENE                | yes                    |
| 80 – 95   | REMOVE FROM SCENE                     | yes                    |
| 96 – 111  | ADD TO GROUP                          | yes                    |
| 112 – 127 | REMOVE FROM GROUP                     | yes                    |
| 128       | STORE DTR AS SHORT ADDRESS            | yes                    |
| 129       | ENABLE WRITE MEMORY                   | yes                    |

ENTE EMITTENTE: DT      Compilato \_\_\_\_\_      Visto \_\_\_\_\_

**SPECIFICA TECNICA - TECHNICAL SPEC.**  
**DC SVM 52 / 500-1400 DALI NFC**  
**Dimmable LED AC/DC Power Supply Cod: 151373**

Data: 29-03-21

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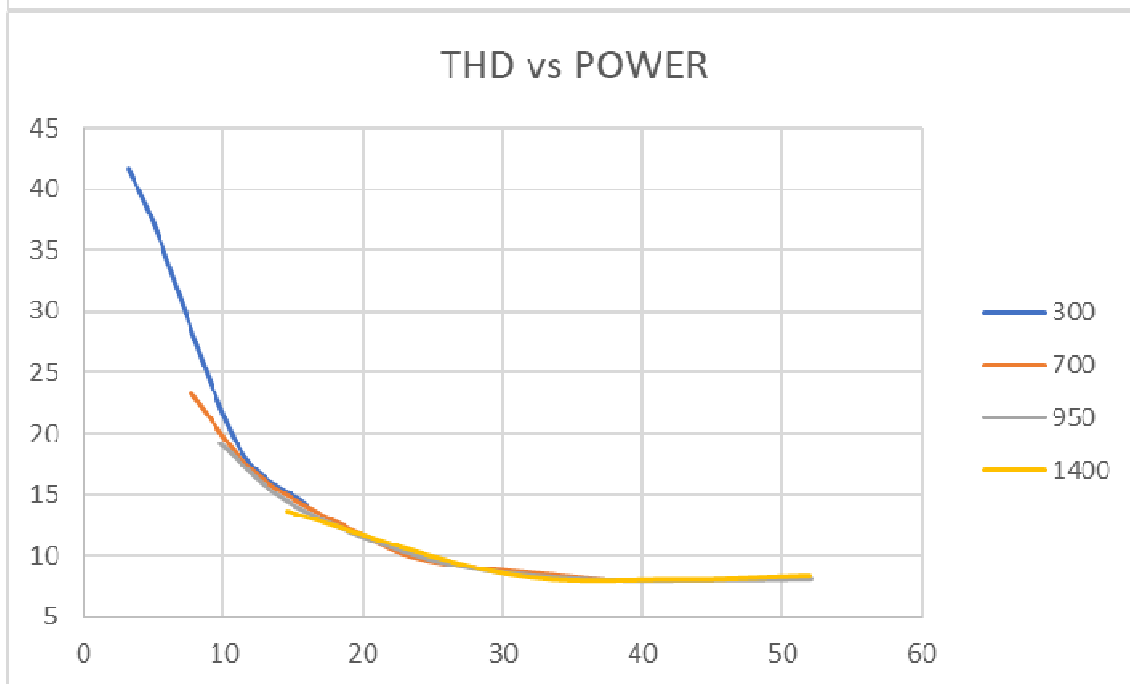
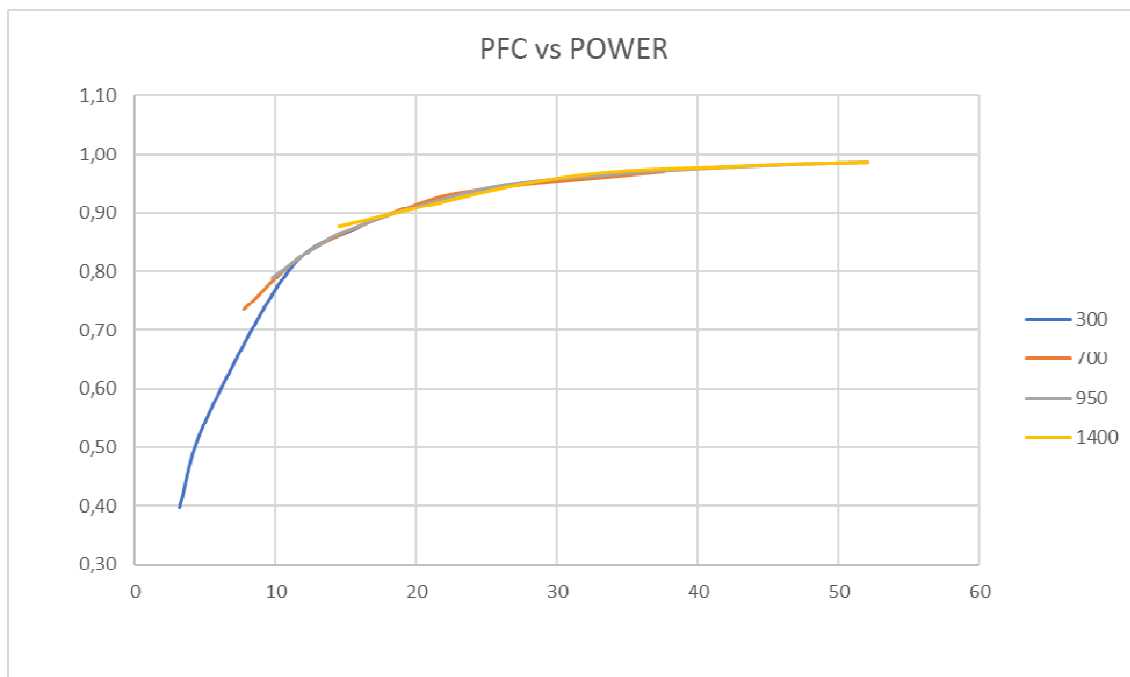
| Command   | Command Name                    | Implemented / Reaction |
|-----------|---------------------------------|------------------------|
| 144       | QUERY STATUS                    | yes                    |
| 145       | QUERY CONTROL GEAR              | yes                    |
| 146       | QUERY LAMP FAILURE              | Yes***                 |
| 147       | QUERY LAMP POWER ON             | yes                    |
| 148       | QUERY LIMIT ERROR               | yes                    |
| 149       | QUERY RESET STATE               | yes                    |
| 150       | QUERY MISSING SHORT ADDRESS     | yes                    |
| 151       | QUERY VERSION NUMBER            | yes                    |
| 152       | QUERY CONTENT DTR               | yes                    |
| 153       | QUERY DEVICE TYPE               | yes                    |
| 154       | QUERY PHYSICAL MINIMUM LEVEL    | yes                    |
| 155       | QUERY POWER FAILURE             | yes                    |
| 156       | QUERY CONTENT DTR1              | yes                    |
| 157       | QUERY CONTENT DTR2              | yes                    |
| 160       | QUERY ACTUAL LEVEL              | yes                    |
| 161       | QUERY MAX LEVEL                 | yes                    |
| 162       | QUERY MIN LEVEL                 | yes                    |
| 163       | QUERY POWER ON LEVEL            | yes                    |
| 164       | QUERY SYSTEM FAILURE LEVEL      | yes                    |
| 165       | QUERY FADE TIME/FADE RATE       | yes                    |
| 176 – 191 | QUERY SCENE LEVEL (SCENES 0-15) | yes                    |
| 192       | QUERY GROUPS 0-7                | yes                    |
| 193       | QUERY GROUPS 8-15               | yes                    |
| 194       | QUERY RANDOM ADDRESS (H)        | yes                    |
| 195       | QUERY RANDOM ADDRESS (M)        | yes                    |
| 196       | QUERY RANDOM ADDRESS (L)        | yes                    |
| 197       | READ MEMORY LOCATION            | yes                    |
| 224       | REFERENCE SYSTEM POWER          | No                     |
| 225       | ENABLE CURRENT PROTECTOR        | No                     |
| 226       | DISABLE CURRENT PROTECTOR       | No                     |
| 227       | SELECT DIMMING CURVE            | yes                    |
| 228       | STORE DTR AS FAST FADE TIME     | yes                    |
| 229       | ---                             | NA                     |
| 230       | ---                             | NA                     |
| 231       | ---                             | NA                     |
| 232       | ---                             | NA                     |
| 233       | ---                             | NA                     |
| 234       | ---                             | NA                     |
| 235       | ---                             | NA                     |
| 236       | ---                             | NA                     |
| 237       | QUERY GEAR TYPE                 | yes                    |

**ENTE EMITTENTE:** DT      **Compilato** \_\_\_\_\_      **Visto** \_\_\_\_\_

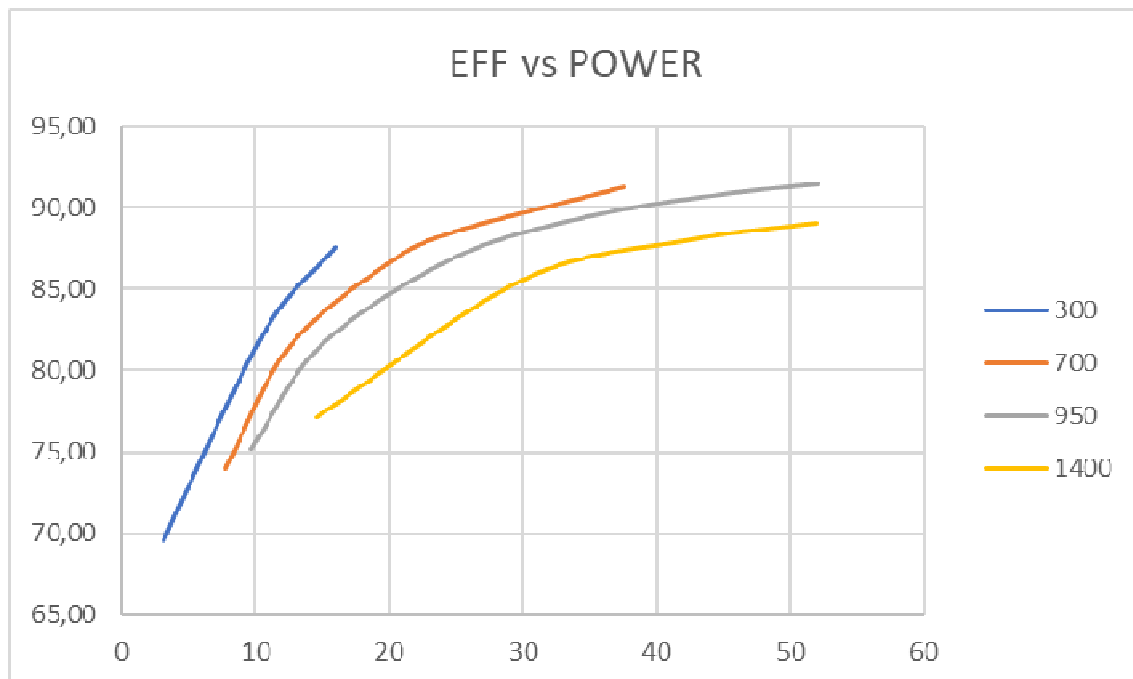
| Command | Command Name                       | Implemented / Reaction |
|---------|------------------------------------|------------------------|
| 238     | QUERY DIMMING CURVE                | yes                    |
| 239     | QUERY POSSIBLE OPERATING MODES     | yes                    |
| 240     | QUERY FEATURES                     | yes                    |
| 241     | QUERY FAILURE STATUS               | yes                    |
| 242     | QUERY SHORT CIRCUIT                | yes                    |
| 243     | QUERY OPEN CIRCUIT                 | yes                    |
| 244     | QUERY LOAD DECREASE                | no                     |
| 245     | QUERY LOAD INCREASE                | no                     |
| 246     | QUERY CURRENT PROTECTOR ACTIVE     | no                     |
| 247     | QUERY THERMAL SHUT DOWN            | yes                    |
| 248     | QUERY THERMAL OVERLOAD             | yes                    |
| 249     | QUERY REFERENCE RUNNING            | no                     |
| 250     | QUERY REFERENCE MEASUREMENT FAILED | no                     |
| 251     | QUERY CURRENT PROTECTOR ENABLED    | no                     |
| 252     | QUERY OPERATING MODE               | yes                    |
| 253     | QUERY FAST FADE TIME               | yes                    |
| 254     | QUERY MIN FAST FADE TIME           | yes                    |
| 255     | QUERY EXTENDED VERSION NUMBER      | yes                    |
| 256     | TERMINATE                          | yes                    |
| 257     | DATA TRANSFER REGISTER (DTR)       | yes                    |
| 258     | INITIALISE                         | yes                    |
| 259     | RANDOMISE                          | yes                    |
| 260     | COMPARE                            | yes                    |
| 261     | WITHDRAW                           | yes                    |
| 264     | SEARCHADDRH                        | yes                    |
| 265     | SEARCHADDRM                        | yes                    |
| 266     | SEARCHADDRL                        | yes                    |
| 267     | PROGRAM SHORT ADDRESS              | yes                    |
| 268     | VERIFY SHORT ADDRESS               | yes                    |
| 269     | QUERY SHORT ADDRESS                | yes                    |
| 270     | PHYSICAL SELECTION                 | Not implemented        |
| 272     | ENABLE DEVICE TYPE 6               | yes                    |
| 273     | DATA TRANSFER REGISTER 1(DTR1)     | yes                    |
| 274     | DATA TRANSFER REGISTER 2(DTR2)     | yes                    |
| 275     | WRITE MEMORY LOCATION              | yes                    |

*In assenza del segnale DALI l'alimentatore eroga la massima potenza.  
The power supplier is at maximum power with DALI signal missing*

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ENTE EMITTENTE: \_\_\_\_\_ Compilato: \_\_\_\_\_ Visto: \_\_\_\_\_