

# SCU2430

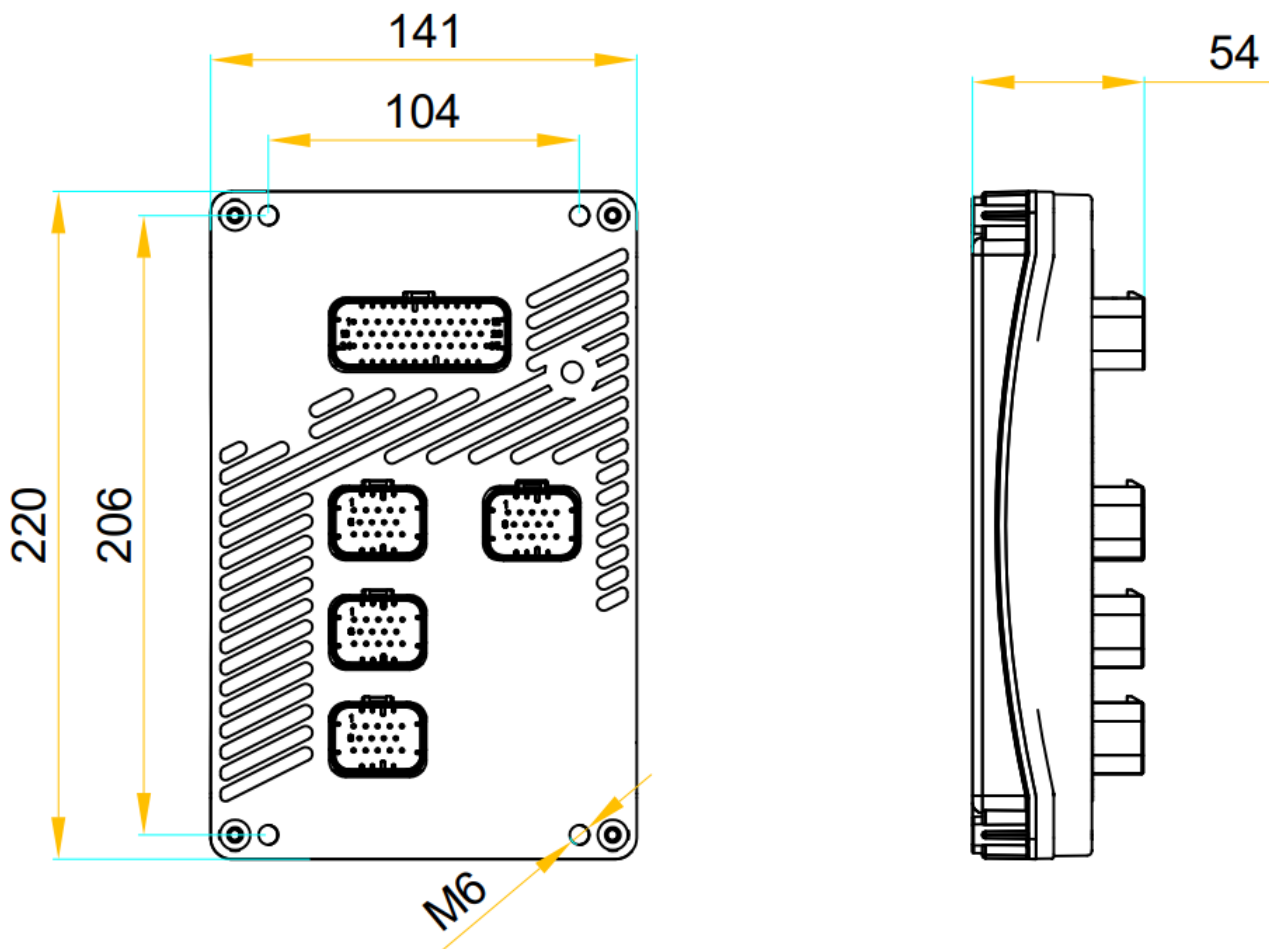
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| SCU2430                                                                                                                                                                                                                                                                                                                                                                                                     | Model<br>Modello                                                | SCU2430                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12 V <sub>DC</sub>                                                                                                                                                                                                                                                                                                                                                                                          | <b>Nominal tension</b><br><i>Tensione nominale</i>              | 12 V <sub>DC</sub>                                                                                                                                                                                                                                                                                                                                                   |
| 9-24 V <sub>DC</sub>                                                                                                                                                                                                                                                                                                                                                                                        | <b>Voltage supply</b><br><i>Tensione di alimentazione</i>       | 9-24 V <sub>DC</sub>                                                                                                                                                                                                                                                                                                                                                 |
| 200mA max Logic; 48A max outputs load                                                                                                                                                                                                                                                                                                                                                                       | <b>Power consumption</b><br><i>Consumo</i>                      | 200mA max Logica; 48A massimo carico uscite                                                                                                                                                                                                                                                                                                                          |
| 2 ST STM32H563RIT6 ARM CORTEX-M33 @ 250MHz; RAM 640Kb, Flash 1Mb, math accelerators                                                                                                                                                                                                                                                                                                                         | <b>Microcontroller</b><br><i>Microcontrollore</i>               | 2 ST STM32H563RIT6 ARM CORTEX-M33 @250MHz; RAM 640Kb, Flash 1Mb, math accelerators                                                                                                                                                                                                                                                                                   |
| -30°C / +85°C                                                                                                                                                                                                                                                                                                                                                                                               | <b>Operating temperature</b><br><i>Temperatura di esercizio</i> | -30°C / +85°C                                                                                                                                                                                                                                                                                                                                                        |
| <b>N° 31 analog/digital input, software configurable as:</b> <ul style="list-style-type: none"> <li>31 x positive/negative digital input</li> <li>31 x 0..5V analog input</li> <li>28 x 0..2500 Ω (resistive sensors)</li> <li>4 x 4..20mA</li> <li>4 x Timer input (0.1Hz..10kHz)</li> </ul>                                                                                                               | <b>Input</b><br><i>Ingressi</i>                                 | <b>N° 31 ingressi analogico/digitali configurabili da software come:</b> <ul style="list-style-type: none"> <li>31 x Ingresso digitale positivo/negativo</li> <li>31 x Ingresso analogico 0..5V</li> <li>28 x Ingresso per sensori resistivi 0..2500 Ω</li> <li>4 x 4..20mA</li> <li>4 x Ingresso timer (0.1Hz..10kHz)</li> </ul>                                    |
| <b>N° 1 emergency input (output disable)</b><br><b>N° 30 smart power high side output (current &amp; status feedback):</b> <ul style="list-style-type: none"> <li>8 x Safe PWM with opt. current loop (max 4A)</li> <li>16 x Safe PWM (max 8A)</li> <li>6 x PWM (max 8A)</li> </ul> <b>N° 1 5V output (max 200mA)</b><br><b>N° 1 5/10V output (max 200mA)</b><br><b>N° 6 Half bridge output (max 800mA)</b> | <b>Output</b><br><i>Uscite</i>                                  | <b>N° 30 uscite smart power high side (relettura stato e corrente):</b> <ul style="list-style-type: none"> <li>8 x safe PWM con loop di corrente opzionale (max 4A)</li> <li>16 x safe PWM (max 8A).</li> <li>6 x PWM (max 8A)</li> </ul> <b>N° 1 uscita 5 VDC (max 200mA)</b><br><b>N° 1 uscita 10VDC (max 200mA)</b><br><b>N° 6 uscite mezzo ponte (max 800mA)</b> |
| <b>N° 2 CAN-BUS ISO 11898-1: 2015 (CAN protocol 2.0 part A, B) and CAN FD protocol 1.0.</b>                                                                                                                                                                                                                                                                                                                 | <b>Communication</b><br><i>Comunicazione</i>                    | <b>N° 2 Linee 2 CAN-BUS ISO 11898-1: 2015 (CAN protocol 2.0 part A, B) and CAN FD protocol 1.0.</b>                                                                                                                                                                                                                                                                  |
| <b>N° 2 IMU sensor (3 axis accelerometer + 3 axis gyro)</b><br><b>N° 1 internal calendar (Real Time Clock)</b><br><b>N° 2 4MB data NOR Flash</b>                                                                                                                                                                                                                                                            | <b>Device</b><br><i>Dispositivi</i>                             | <b>N° 2 sensori inerziali (accelerometro 3 assi + giroscopio 3 assi)</b><br><b>N° 1 calendario interno (Real Time Clock)</b><br><b>N° 2 NOR Flash 4MB per dati</b>                                                                                                                                                                                                   |
| <b>UNI EN 12895:2019 UNI EN ISO 13766-1:2018 CEI EN 61000-6-2:2006 CEI EN 61000-6-4:2007 + A1:2013</b>                                                                                                                                                                                                                                                                                                      | <b>EMC</b><br><i>EMC</i>                                        | <b>UNI EN 12895:2019 UNI EN ISO 13766-1:2018 CEI EN 61000-6-2:2006 CEI EN 61000-6-4:2007 + A1:2013</b>                                                                                                                                                                                                                                                               |
| <b>IP67</b>                                                                                                                                                                                                                                                                                                                                                                                                 | <b>IP protection degree</b><br><i>Protezione IP</i>             | <b>IP67</b>                                                                                                                                                                                                                                                                                                                                                          |
| <b>Material: PE66</b>                                                                                                                                                                                                                                                                                                                                                                                       | <b>Box</b><br><i>Contenitore</i>                                | <b>Materiale: PE66</b>                                                                                                                                                                                                                                                                                                                                               |
| <b>N° 4 Ampseal 14 ways</b><br><b>N° 1 Ampseal 35 ways</b>                                                                                                                                                                                                                                                                                                                                                  | <b>Connectors</b><br><i>Connettori</i>                          | <b>N° 4 Ampseal 14 poli</b><br><b>N° 1 Ampseal 35 poli</b>                                                                                                                                                                                                                                                                                                           |

*Dimensioni centralina e fissaggio (mm)*



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