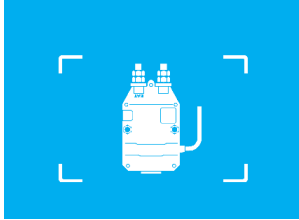




S 250 SERIES

ELECTRICAL CONTROL

- 300 A CONTINUOUS RATING ●
- ATEX APPROVAL Ex II 2 G & ADR APPLICATION Ex ib IIC T6 Gb ●
- EMC COMPLIANT (REGULATION ECE R10) N° 24 10R-030327 ●
- OPTIONALLY, A SLAVE UNIT CAN BE CONNECTED FOR A TWO POLE SOLUTION ●



S 250 SERIES

BATTERY MASTER SWITCH

TECHNICAL DATA FOR THE MASTER UNIT



TECHNICAL DATA FOR THE SLAVE UNIT



MAIN CHARACTERISTICS

Rated voltage	12 / 24 V	12 / 24 V
Polarity	+ CUT-OFF	GND CUT-OFF
Temperature range	- 40 to +85 °C	- 40 to +85 °C
Protection degree (ISO20653)	IP65	IP65
Housing material	PBT reinforced	PBT reinforced
Weight	1000 g	1000 g
Approved according to:	EMC / ECE R10 regulation n° 24 10R-041095	-
ADR/ATEX Approval	ADR regulation Ex ib IIC T6 Gb - ATEX Ex II 2 G	-
Compliant with directive	REACH (2006/121/EC) - ELV (2000/53/EC)	REACH (2006/121/EC) - ELV (2000/53/EC)

POWER CIRCUIT

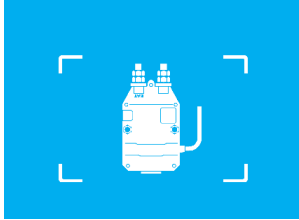
Continuous rating	300 A	300 A
Overload	1500 A (15 s)	1500 A (15 s)
Max DC voltage	16 / 30 V	16 / 30 V
Temporization (opening delay)	3 s or 10 s (wiring option)	Idem Master UNIT
Terminals size	M10	M10
Contact resistance	<1 mΩ	<1 mΩ
Terminals length	9 mm	9 mm
Tightening torque	14N.m ±20%	14N.m ±20%
Terminals material	silver plated copper	silver plated copper

CONTROL CIRCUIT

Voltage range	10.5 - 16 V / 18 - 30 V	10.5 - 16 V / 18 - 30 V
Control signal	ON / OFF (1/0)	-
Switching current	10 A - 12 V or 7.3 A - 24 V (200 ms)	10 A - 12 V or 7.3 A - 24 V (200 ms)
Idle current in OFF position	≈7 mA	-
Connection	5-pin & 2-pin TYCO Superseal	2-pin TYCO Superseal

AUXILIARY CIRCUIT

Type	Relay control output	-
Continuous rating	300 mA	-
Connection	Pin 4 (5-pin connector)	-



S 250 SERIES

BATTERY MASTER SWITCH

ACCESSORIES



250350
713 SERIES

Cabling kit
for battery switch



202560
S 701 SERIES

Control switch
2-Pin ISO 15170 / DIN 75585
electrical connection



202326
713 SERIES

Cabling kit
for control switch



201010 - 202499
S 900 SERIES

Red or black terminal
insulation cap

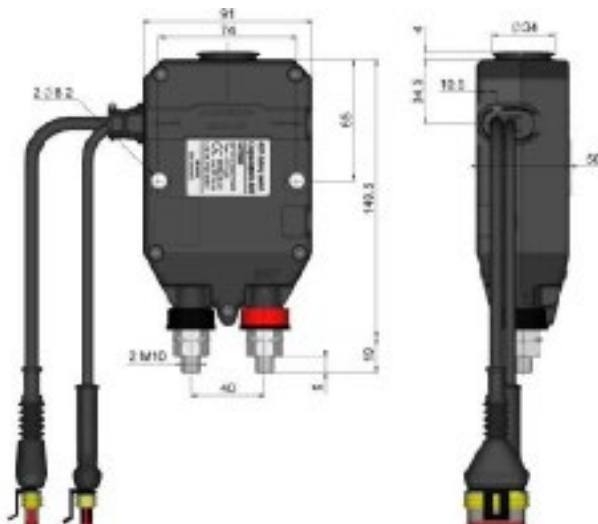
PRODUCT SELECTION

P/N	HOUSING COLOR	VOLTAGE	TYPE	ELECTRICAL LOAD SWITCHING
202323	■	24 V	Master	NO
202335	■	12 V	Master	NO
203176	■	12 V	Master	NO
203177	■	24 V	Master	NO
203407	■	24 V	Master	YES
203409	■	12 V	Master	YES
202333	■	24 V	Slave	NO
202341	■	12 V	Slave	NO
203408	■	24 V	Slave	YES
203410	■	12 V	Slave	YES

On request: specific technical demand can be studied

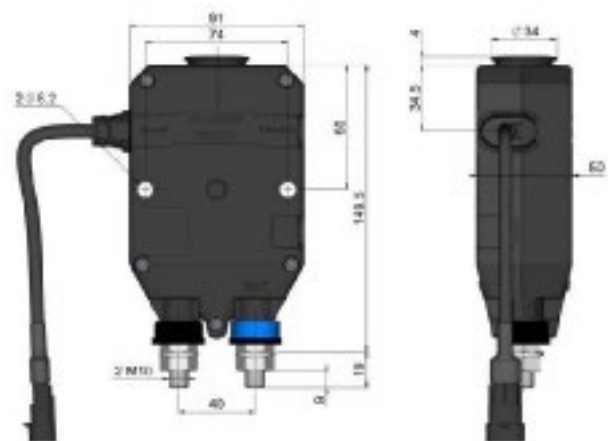
MASTER UNIT

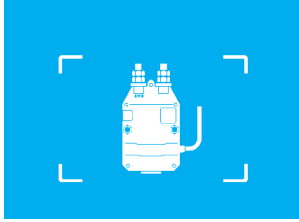
202323	202335	203176
203407	203409	203177



SLAVE UNIT

202333	202341
203408	203410

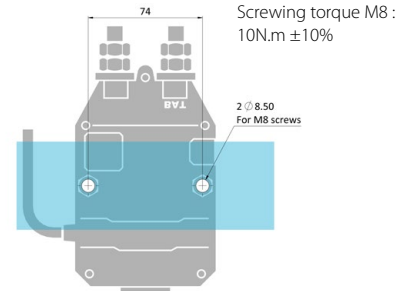




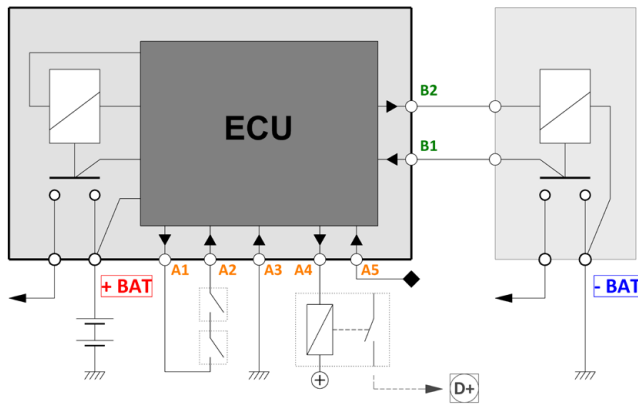
S 250 SERIES

BATTERY MASTER SWITCH

MOUNTING INTERFACE



ELECTRICAL DIAGRAM



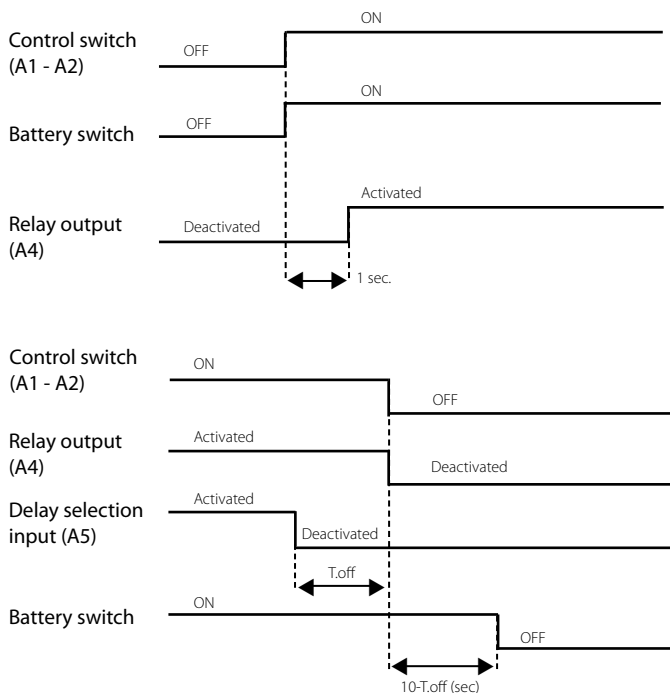
MASTER UNIT CONNECTIONS

Pin 1 (A1)	■	Control switch supply
Pin 2 (A2)	■	Control switch input
Pin 3 (A3)	■	GND (-Battery)
Pin 4 (A4)	■	Relay control output (low level) 300mA Max
Pin 5 (A5)	□	Delay adjustment input (high level)
BAT (M10)	=	+ BATTERY

SLAVE UNIT CONNECTIONS

Pin 1 (B1)	□	Feedback signal (status of the power contact)
Pin 2 (B2)	■	Control of the slave unit
BAT (M10)	=	- BATTERY

FUNCTIONING



CLOSING

OPENING

With "delay selection input" deactivated (not connected), the opening delay is 3 s.

With "delay selection input" activated, the delay is 10 s.