



Switchgear

Semaphore Pushbutton Series RT1

Patent Number: MI2013A001191

Series RT1

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Technical features

Body material: Polycarbonate (PC) V0/UL 94
Body colour: Grey
Protection degree: IP54
Working temperature: 20°C +60°C
Operating life at AT 25°C: > 100.000 h
Not replaceable LEDs



Integrated Lamp Test circuit (LT), to test all signals at once on default.



Integrated Rectifier Bridge to work in Alternating Current (AC) or Direct Current (DC), automatically.



With Inbuilt Diode (PD) to avoid reverse feeding.

Customs tariff: **85389091**

Supply voltage +/- 10%

Power	Consumption	Current
24 Vac/dc	15-20mA	AC/DC
48 Vac/dc	15-20mA	AC/DC
130 = 110-130 Vac/dc	15-20mA	AC/DC
240 Vac	15mA	Alternating Current
220 Vdc	9mA	Direct Current

Other power supplies on request

Rated insulation voltage (U_i): **0,69 kV**
Rated frequency (f): **50 Hz**
Rated impulse withstand voltage (U_{imp}): **8 kV**
Conventional free air thermal current (I_{th}): **10 A**

AC	15					DC	13				
V	24	48	110	220		V	24	48	110	220	
A	10	8	6	3		A	10	6	0,7	0,3	



Easy to connect thanks to the Screw terminals or Flying Leads.

Compliance:
Directive 2006/95/EC Low Voltage
Directive 2004/108/EC Electromagnetic Compatibility
Directive 2011/65/EC RhOS
Directive 2006/42/EC Machinery

Conformity to standards:
EN 60947.5.1 / EN 60073 / EN 60529 / EN 60068-2-6 /
EN 60204.1 / EN ISO 7731 / EN 981 / IEC 536

DOMO reserves the right to change, amend, modify, suspend, continue or terminate all or any part of the Product range either in an individual case or in general, at any time without notice.



Head shape

$\varnothing 24\text{mm}$



24x24mm



Pushbutton Head



Hole Size
 $\varnothing 22\text{mm}$

Quick mounting

Illumination terminals
+
lamp test facility terminals

Contact Elements open and close

Closing Block

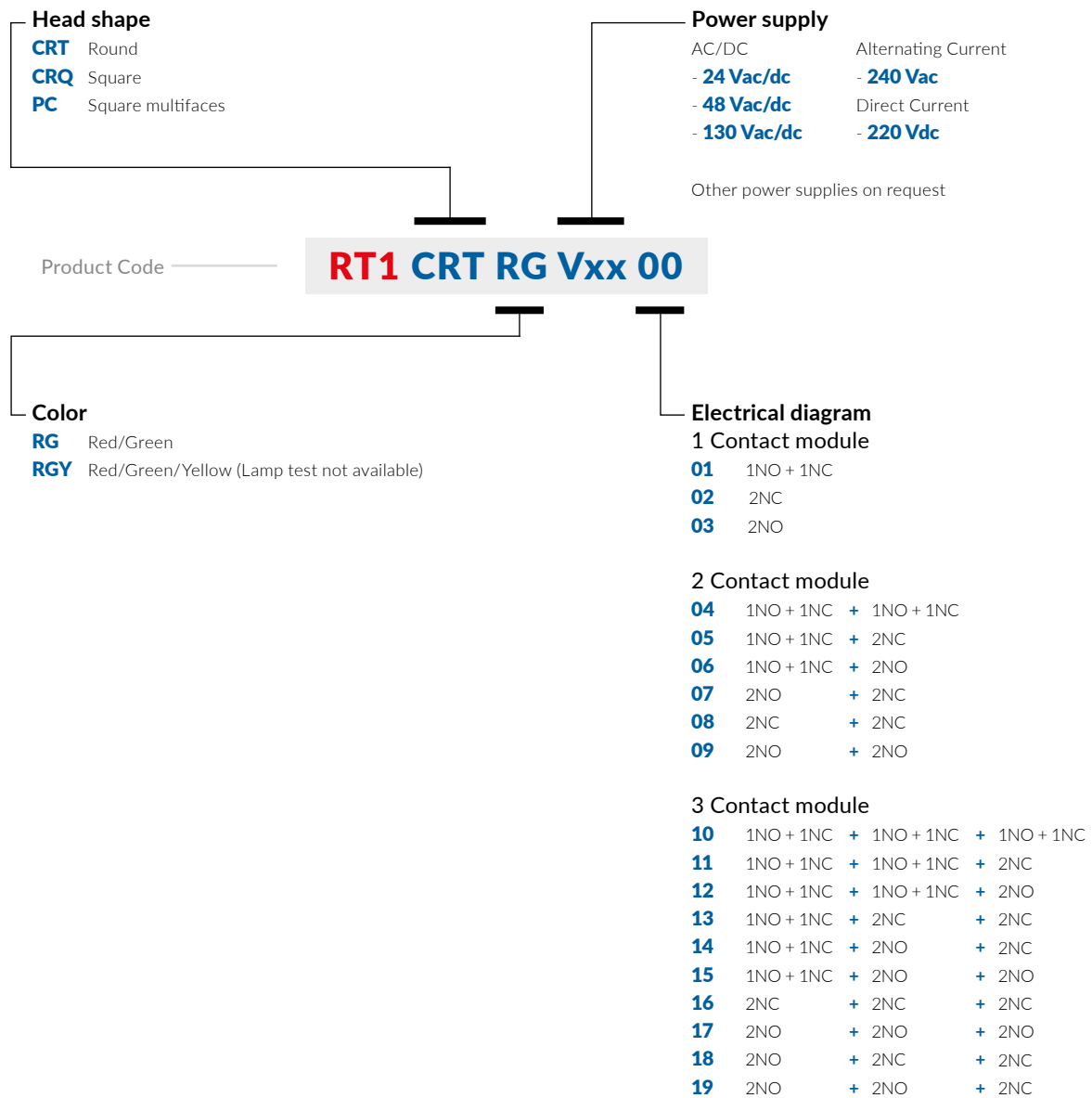
Brackets for cable fastening



Connections
SCREW terminals

Series RT1 - ø22mm

Coding





Series RT1 - ø22mm

Product range

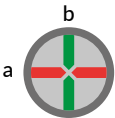


Head Ø24mm
Cut-out Ø22mm



Head 24x24mm
Cut-out Ø22mm

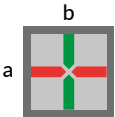
Standard type



a Red
b Green

RT1 CRT RG Vxx 00

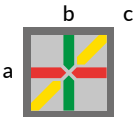
-



a Red
b Green

-

RT1 CRQ RG Vxx 00



a Red
b Yellow
c Green

-

RT1 CRQ RGY Vxx 00

 Lamp Test integrated not available

Two-Faces



a Red
b Green

-

RT1 PC RG Vxx 00

Three-Faces



a Red
b Yellow
c Green

-

RT1 PC RGY Vxx 00

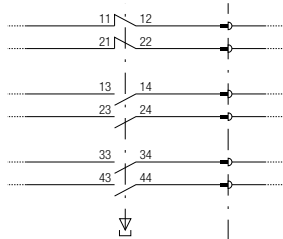
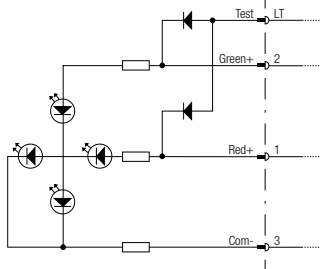
 Lamp Test integrated not available

Series RT1 - $\varnothing 22\text{mm}$

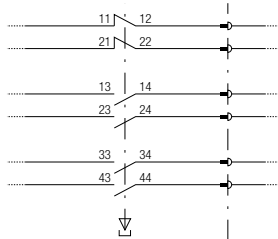
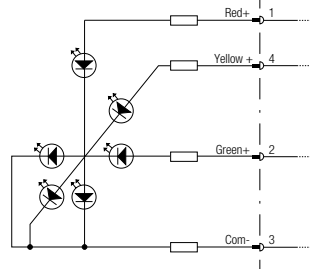
Wiring

Flying Leads

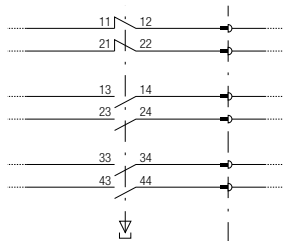
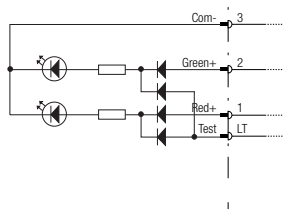
Bicolor + Lamp Test (LT)

Contact Elements
open and closeLED elements red and green
+ lamp test facility on default

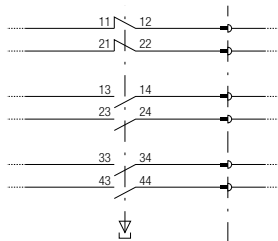
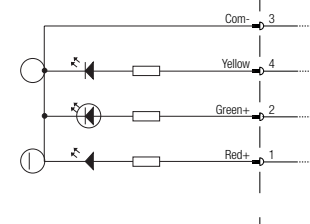
Tricolor

Contact Elements
open and closeLED elements red, green
and yellow

Two-Faces + Lamp Test (LT)

Contact Elements
open and closeLED elements red and green
+ lamp test facility on default

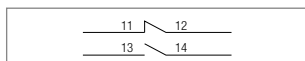
Three-Faces

Contact Elements
open and closeLED elements red, green
and yellow

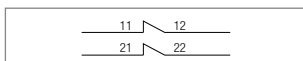


1 Contact module

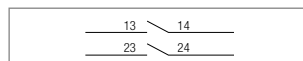
01 1NO + 1NC



02 2NC

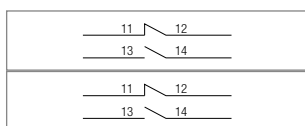


03 2NO

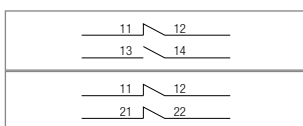


2 Contact modules

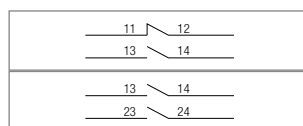
04 1NO + 1NC + 1NO + 1NC



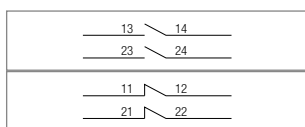
05 1NO + 1NC + 2NC



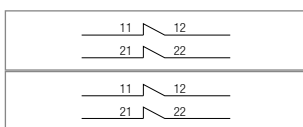
06 1NO + 1NC + 2NO



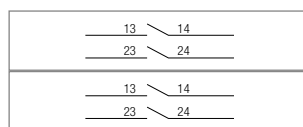
07 2NO + 2NC



08 2NC + 2NC



09 2NO + 2NO

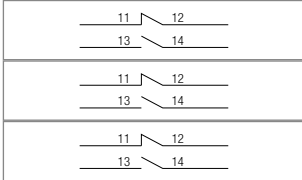


Series RT1 - ø22mm

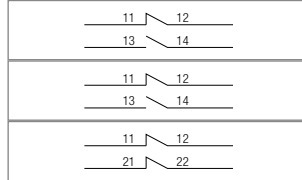
Contact block maximum blocks combinations

3 Contact modules

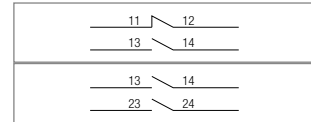
10 1NO + 1NC + 1NO + 1NC + 1NO + 1NC



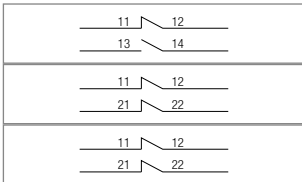
11 1NO + 1NC + 1NO + 1NC + 2NC



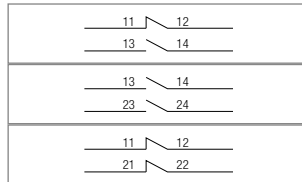
12 1NO + 1NC + 1NO + 1NC + 2NO



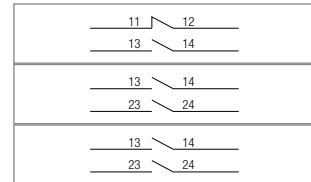
13 1NO + 1NC + 2NC + 2NC



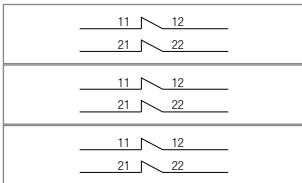
14 1NO + 1NC + 2NO + 2NC



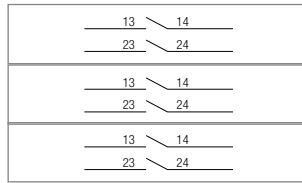
15 1NO + 1NC + 2NO + 2NO



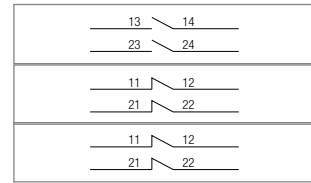
16 2NC + 2NC + 2NC



17 2NO + 2NO + 2NO



18 2NO + 2NC + 2NC

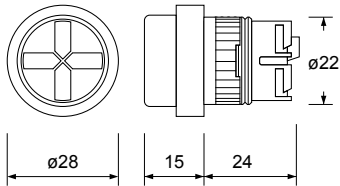


Series RT1 - $\varnothing 22\text{mm}$

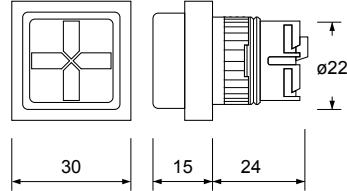
Dimensions

RT1 Heads

Round

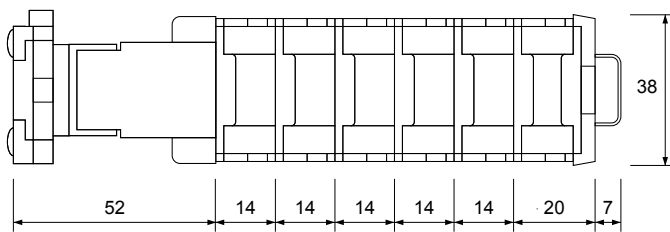


Square



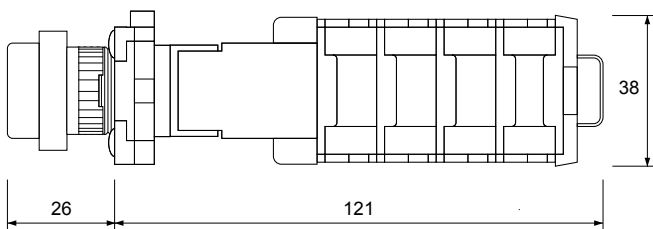
1 contact block

RT1 Modules

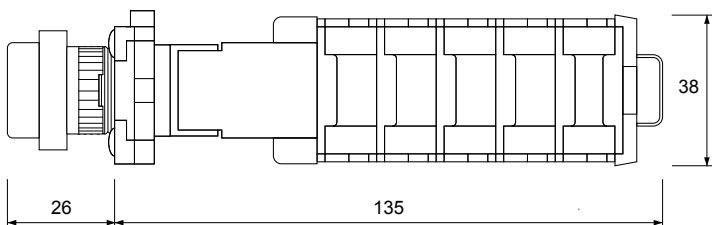


RT1 Maximum block combinations

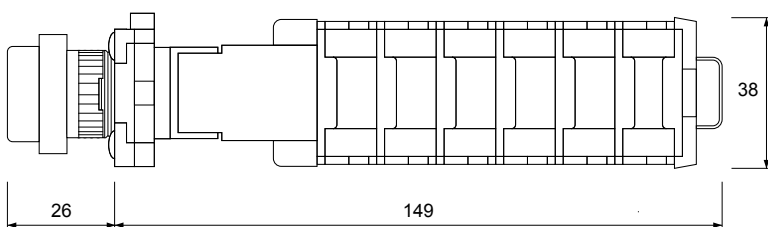
1 contact block



2 contact blocks



3 contact blocks



Weight 87g

Weight 90g