

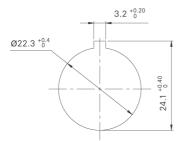
## RAMO 22 T - Pushbutton, green, collar square, M12

## 1.10.011.101/0551

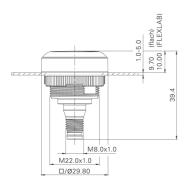


Form	General information	
Square   S	Form	flush
Color lens     green       Dimensions     22.3 mm       Mechanical design     momentary, 1 NO       Contact     momentary, 1 NO       Contact materials     gold       Mounting     ring nut       Terminals     M12       Reverse polarity protection     yes       Labelling     individually with FLEXLAB       Torque for nut ring     1.2 Nm       Mechanical characteristics     Operating force F1 (+/-20 %)       Selectrical characteristics     Stated voltage min.       Rated voltage min.     DC 0.02 V V       Rated voltage max.     DC 35 V       Rated ourrent min.     0.01 mA       Rated ourrent max.     100 mA       Rated power max.     1 W (ohmsche Last) W       LED power supply     DC 24 V +- 20% / 10 mA +- 20%       Other specifications     Ambient temp. operating min.       Ambient temp. operating min.     -40 °C       Ambient temp. operating max.     +70 °C       B10     500,000 cycle       Degree of protection from front side     IP 66, IP 67, IP 69K       Degree of protection from rear side     IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)       Environmental restistance     acc. to IEC 60068-2-14, -30, -33 and -78       Operating life cycles     250,000       ROHS compliant <td>Color of front ring</td> <td>black</td>	Color of front ring	black
Dimensions  Mounting hole  22.3 mm  Mechanical design  Contact     momentary, 1 NO Contact materials	Form of collar	square
Mechanical design       Contact     momentary, 1 NO       Contact materials     gold       Mounting     ring nut       Terminals     M12       Reverse polarity protection     yes       Labeling     individually with FLEXLAB       Torque for nut ring     1.2 Nm       Mechanical characteristics     Operating force F1 (+/-20 %)     5 N       Electrical characteristics     Stated voltage min.     DC 0.02 V V       Rated voltage min.     0.01 mA       Rated voltage max.     DC 35 V       Rated voltage max.     100 mA       Rated power max.     1 W (ohmsche Last) W       LED power supply     DC 24 V +- 20% / 10 mA +- 20%       Other specifications     Ambient temp. operating min.     -40 °C       Ambient temp. operating max.     +70 °C       B10     500,000 cycle       Degree of protection from front side     IP 66, IP 67, IP 69K       Degree of protection from rear side     IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)       Environmental restistance     acc. to IEC 60068-2-14, -30, -33 and -78       Operating life cycles     250,000       ROHS compliant     yes	Color lens	green
Mechanical design       Contact     momentary, 1 NO       Contact materials     gold       Mounting     ring nut       Terminals     M12       Reverse polarity protection     yes       Labeling     individually with FLEXLAB       Torque for nut ring     1.2 Nm       Mechanical characteristics     Operating force F1 (+/-20 %)     5 N       Electrical characteristics     Stated voltage min.     DC 0.02 V V       Rated voltage min.     0.01 mA       Rated voltage max.     DC 35 V       Rated voltage max.     100 mA       Rated power max.     1 W (ohmsche Last) W       LED power supply     DC 24 V +- 20% / 10 mA +- 20%       Other specifications     Ambient temp. operating min.     -40 °C       Ambient temp. operating max.     +70 °C       B10     500,000 cycle       Degree of protection from front side     IP 66, IP 67, IP 69K       Degree of protection from rear side     IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)       Environmental restistance     acc. to IEC 60068-2-14, -30, -33 and -78       Operating life cycles     250,000       ROHS compliant     yes	Discourant and the second and the se	
Mechanical design       Contact     momentary, 1 NO       Contact materials     gold       Mounting     ring nut       Terminals     M12       Reverse polarity protection     yes       Labeling     individually with FLEXLAB       Torque for nut ring     1.2 Nm       Mechanical characteristics         Operating force F1 (+/-20%)     5 N       Electrical characteristics         Rated voltage min.     DC 0.02 V V       Rated voltage min.     0.01 mA       Rated voltage max.     DC 35 V       Rated voltage max.     100 mA       Rated power max.     1 W (ohmsche Last) W       LED power supply     DC 24 V +- 20% / 10 mA +- 20%       Other specifications          Ambient temp. operating min. <ul> <li>40 °C</li> <li>Ambient temp. operating max.</li> <li>+70 °C</li> <li>B10</li> <li>500,000 cycle</li> <li>Degree of protection from front side</li> <li>IP 66, IP 67, IP 69K</li> <li>Degree of protection from rear side</li> <li>IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)</li> <li>Environmental restistance</li> <li>acc. to IEC 60068-2-14, -30, -33 and -78</li> <li>Operating life cycles</li> <li>250,000</li> <li>ROHS compliant</li> </ul>		00.0
Contact materials gold  Mounting ring nut  Terminals M12  Reverse polarity protection yes Labeling individually with FLEXLAB  Torque for nut ring 1.2 Nm  Mechanical characteristics Operating force F1 (+/-20 %) 5 N  Electrical characteristics Rated voltage min. DC 0.02 V V  Rated current min. 0.01 mA  Rated voltage max. DC 35 V  Rated current max. 100 mA  Rated power max. 1 W (ohmsche Last) W  LED power supply DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min40 °C  Ambient temp. operating max. +70 °C  B10 500,000 cycle  Degree of protection from front side IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles  ROHS compliant	Mounting noie	22.3 mm
Contact materials  Mounting  Ferminals  M12  Reverse polarity protection  Labeling  Individually with FLEXLAB  Torque for nut ring  Mechanical characteristics  Operating force F1 (+/-20 %)  Electrical characteristics  Rated voltage min.  Rated current min.  Rated voltage max.  Rated voltage max.  DC 35 V  Rated current max.  100 mA  Rated power max.  LED power supply  DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min.  Ambient temp. operating max.  Ambient temp. operating min.  Appearating life operating min.  Ambient temp. operating min.	Mechanical design	
Mounting ring nut Terminals M12 Reverse polarity protection yes Labeling individually with FLEXLAB Torque for nut ring 1.2 Nm  Mechanical characteristics Operating force F1 (+/-20 %) 5 N  Electrical characteristics Rated voltage min. DC 0.02 V V Rated current min. 0.01 mA Rated voltage max. DC 35 V Rated current max. 100 mA Rated voltage max. 1 W (ohmsche Last) W LED power supply DC 24 V +- 20% / 10 mA +- 20%  Other specifications Ambient temp. operating min40 °C Ambient temp. operating max. +70 °C B10 500,000 cycle Degree of protection from front side IP 66, IP 67, IP 69K Degree of protection from rear side IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78 Operating life cycles ROHS compliant yes	Contact	momentary, 1 NO
Terminals M12 Reverse polarity protection yes Labeling individually with FLEXLAB Torque for nut ring 1.2 Nm  Mechanical characteristics Operating force F1 (+/-20 %) 5 N  Electrical characteristics Rated voltage min. DC 0.02 V V Rated current min. 0.01 mA Rated voltage max. DC 35 V Rated current max. 100 mA Rated power max. 1 W (ohmsche Last) W LED power supply DC 24 V +- 20% / 10 mA +- 20%  Other specifications Ambient temp. operating min40 °C Ambient temp. operating max. +70 °C B10 500,000 cycle Degree of protection from front side IP 66, IP 67, IP 69K Degree of protection from rear side IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78 Operating life cycles CDHS compliant yes	Contact materials	gold
Reverse polarity protection  Labeling  Torque for nut ring  Mechanical characteristics Operating force F1 (+/-20 %)  Electrical characteristics Rated voltage min.  DC 0.02 V V Rated current min.  Rated voltage max.  DC 35 V Rated current max.  Rated power max.  LED power supply  DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min.  Ambient temp. operating min.  De 35 V  Processes of protection from front side pegree of protection from rear side  De 36 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance Operating life cycles  ROHS compliant  P 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  ROHS compliant  Pess  Poss  Pos	Mounting	ring nut
Labeling individually with FLEXLAB  Torque for nut ring 1.2 Nm  Mechanical characteristics Operating force F1 (+/-20 %) 5 N  Electrical characteristics Rated voltage min. DC 0.02 V V Rated current min. 0.01 mA Rated voltage max. DC 35 V Rated current max. 100 mA Rated power max. 1 W (ohmsche Last) W LED power supply DC 24 V +- 20% / 10 mA +- 20%  Other specifications Ambient temp. operating min40 °C Ambient temp. operating max. +70 °C B10 500,000 cycle Degree of protection from front side IP 66, IP 67, IP 69K Degree of protection from rear side IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78 Operating life cycles 250,000 ROHS compliant yes	Terminals	M12
Torque for nut ring  Mechanical characteristics Operating force F1 (+/-20 %)  Electrical characteristics Rated voltage min. DC 0.02 V V Rated current min. DC 35 V Rated voltage max. DC 35 V Rated current max. 100 mA Rated power max. 1 W (ohmsche Last) W LED power supply DC 24 V +- 20% / 10 mA +- 20%  Other specifications Ambient temp. operating min. 40 °C Ambient temp. operating max. +70 °C B10 Degree of protection from front side Degree of protection from rear side P66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance Operating life cycles 250,000 ROHS compliant yes	Reverse polarity protection	yes
Mechanical characteristics Operating force F1 (+/-20 %)  Electrical characteristics Rated voltage min. Rated current min. O.01 mA Rated voltage max. DC 35 V Rated current max. And the comply DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min. Ambient temp. operating max. Ambient temp. operating max. B10	Labeling	individually with FLEXLAB
Degrating force F1 (+/-20 %)   5 N	Torque for nut ring	1.2 Nm
Degrating force F1 (+/-20 %)   5 N	Mechanical characteristics	
Electrical characteristics  Rated voltage min.  Rated current min.  Rated voltage max.  DC 35 V  Rated current max.  100 mA  Rated power max.  LED power supply  DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min.  Ambient temp. operating max.  B10  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles  250,000  ROHS compliant  P 0.01 mA  PC 0.02 V V  Rote of Degree of V  Rote of Degree of Potection from front side  DC 24 V +- 20% / 10 mA +- 20%  1 W (ohmsche Last) W  C 24 V +- 20% / 10 mA +- 20%  1 P 66 °C  Ambient temp. operating min.  40 °C  500,000 cycle  IP 66, IP 67, IP 69K  IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)		5 N
Rated voltage min.  Rated current min.  Rated voltage max.  DC 35 V  Rated current max.  100 mA  Rated power max.  1 W (ohmsche Last) W  LED power supply  DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min.  -40 °C  Ambient temp. operating max.  +70 °C  B10  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  Degree of protection from rear side  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles  250,000  ROHS compliant  yes		
Rated current min.  Rated voltage max.  DC 35 V  Rated current max.  100 mA  Rated power max.  1 W (ohmsche Last) W  LED power supply  DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min.  -40 °C  Ambient temp. operating max.  +70 °C  B10  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  Degree of protection from rear side  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles  250,000  ROHS compliant  yes		
Rated voltage max.  Rated current max.  Rated power max.  1 W (ohmsche Last) W  LED power supply  DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min.  -40 °C  Ambient temp. operating max.  B10  500,000 cycle  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  Degree of protection from rear side  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles  250,000  ROHS compliant  yes		
Rated current max.  Rated power max.  1 W (ohmsche Last) W  LED power supply  DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min.  -40 °C  Ambient temp. operating max.  +70 °C  B10  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  Degree of protection from rear side  IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles  250,000  ROHS compliant  yes	Rated current min.	
Rated power max.  LED power supply  DC 24 V +- 20% / 10 mA +- 20%  Other specifications  Ambient temp. operating min.  -40 °C  Ambient temp. operating max.  +70 °C  B10  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  Degree of protection from rear side  IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance  Operating life cycles  ROHS compliant  yes	-	
LED power supplyDC 24 V +- 20% / 10 mA +- 20%Other specificationsAmbient temp. operating min40 °CAmbient temp. operating max.+70 °CB10500,000 cycleDegree of protection from front sideIP 66, IP 67, IP 69KDegree of protection from rear sideIP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Operating life cycles250,000ROHS compliantyes	Rated current max.	
Other specifications  Ambient temp. operating min.  Ambient temp. operating max.  B10  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  Degree of protection from rear side  IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance  Operating life cycles  ROHS compliant  yes	Rated power max.	
Ambient temp. operating min.  Ambient temp. operating max.  +70 °C  500,000 cycle  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  Degree of protection from rear side  IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance  Operating life cycles  ROHS compliant  yes	LED power supply	DC 24 V +- 20% / 10 mA +- 20%
Ambient temp. operating min.  Ambient temp. operating max.  +70 °C  500,000 cycle  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  Degree of protection from rear side  IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance  Operating life cycles  ROHS compliant  yes	Other specifications	
Ambient temp. operating max. +70 °C  B10 500,000 cycle  Degree of protection from front side IP 66, IP 67, IP 69K  Degree of protection from rear side IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles 250,000  ROHS compliant yes	•	-40 °C
B10  Degree of protection from front side  Degree of protection from rear side  IP 66, IP 67, IP 69K  IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles  ROHS compliant  yes	· · ·	+70 °C
Degree of protection from front side  IP 66, IP 67, IP 69K  Degree of protection from rear side  IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles  POHS compliant  yes	· · ·	500,000 cycle
Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78  Operating life cycles 250,000  ROHS compliant yes	Degree of protection from front side	
Operating life cycles 250,000  ROHS compliant yes	Degree of protection from rear side	IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K)
ROHS compliant yes	Environmental restistance	acc. to IEC 60068-2-14, -30, -33 and -78
	Operating life cycles	250,000
REACH compliant yes	ROHS compliant	yes
	REACH compliant	yes





Einbauöffnung nach IEC 60947-5-1



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