

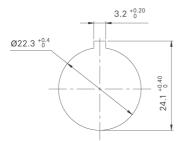
RAMO 22 T - Pushbutton FLEXLAB without lens, white, collar square, M8

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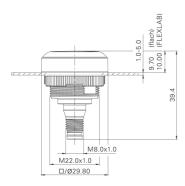


Form	General information	
Square	Form	FLEXLAB without lens
Color lens white Dimensions Mounting hole 22.3 mm Mechanical design Contact materials gold Mounting ring nut Terminals M8 Reverse polarity protection yes Labeling individually with FLEXLAB Torque for nut ring 1.2 Nm Mechanical characteristics 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 min. 40 °C Ambient temp. operating min. 40 °C Ambient temp. operating max. 1P 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	Color of front ring	black
Dimensions Mounting hole 22.3 mm	Form of collar	square
Mechanical design Contact momentary, 1 NO Contact materials gold Mounting ring nut Terminals M8 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. -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	white
Mechanical design Contact momentary, 1 NO Contact materials gold Mounting ring nut Terminals M8 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. -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	A	
Mechanical design Contact momentary, 1 NO Contact materials gold Mounting ring nut Terminals M8 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 max. DC 35 V Rated voltage max. DC 35 V 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. -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		00.0
Contact materials gold Mounting ring nut Terminals M8 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 ROHS compliant	Mounting noie	22.3 mm
Contact materials Mounting Terminals M8 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. Q.0.1 mA Rated voltage max. DC 35 V Rated current max. 100 mA Rated opwer 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. 170 °C B10 Degree of protection from front side Degree of protection from rear side IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K) Environmental restistance Operating life cycles 250,000 ROHS compliant	Mechanical design	
Mounting ring nut Terminals M8 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 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	Contact	momentary, 1 NO
Terminals M8 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 ROHS compliant	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. 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 Environmental restistance Operating life cycles CD S N DE 0.02 V V And 0.01 mA DC 0.02 V V DC 0.02 V V DC 0.02 V V DC 0.02 V V DC 0.03 V V DC 0.04 V V DC 0.05 V V	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	M8
Torque for nut ring Mechanical characteristics Operating force F1 (+/-20 %) Electrical characteristics Rated voltage min. Rated current min. DC 0.02 V V Rated current min. DC 35 V Rated current max. DC 35 V Rated power 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 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. DC 0.02 V V Rated current min. DC 35 V Rated current max. DC 35 V Rated power 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 Environmental restistance Operating life cycles 250,000 ROHS compliant yes	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. DC 0.02 V V Rated current min. 0.01 mA Rated voltage max. DC 35 V Rated power 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		5 N
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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. 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		
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 P 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 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	-	
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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	-	
Other specifications Ambient temp. operating min. Ambient temp. operating max. B10 Degree of protection from front side Degree of protection from rear side Environmental restistance Operating life cycles ROHS compliant P 60 °C +70 °C 500,000 cycle IP 66, IP 67, IP 69K IP 66 (je nach verwendetem Stecker IP 67 oder IP 69K) acc. to IEC 60068-2-14, -30, -33 and -78 250,000 yes	-	
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
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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	B10	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	IP 66, IP 67, IP 69K
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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