

## RAFIX 22 FS<sup>+</sup> - Pushbutton, illuminated, protruding lens, round collar, metal front ring, momentary 1.30.270.221/2600



Color of lens   translucent blue     Color of front ring   silver metallic     Form of collar   round     Dimensions   g 29.8 mm     Diverall height   12.9 mm     Mounting depth   PCB 9.2 mm, QC 27 mm     Mounting hole   22.3 mm     Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mechanical design   ring nut     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   Qerating travel     Ambient temp. operating min.   -25 °C     Armbient temp. operating max.   40 °C     Storage temperature min.   40 °C     Storage temperature min.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B2   Environmental restistance   acc. to IEC 600 68-2-14, -30, -33 and -78     B2   EC 600 68-2-14   Yes	General information	
Color of front ring   silver metallic     Form of collar   round     Dimensions   Ø 29.8 mm     Overall height   12.9 mm     Mounting depth   PCB 9.2 mm, QC 27 mm     Mounting hole   22.3 mm     Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mounting hole   22.3 mm     Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mechanical design   mm     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   Operating travel     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   40 °C     Storage temperature min.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B20   Eperote of protection from front side   IP65 (DIN EN 60529)	Form of lens	protruding lens
Form of collar   round     Dimensions   Ø 29.8 mm     Dowerall height   12.9 mm     Mounting depth   PCB 9.2 mm, QC 27 mm     Mounting hole   22.3 mm     Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mechanical design   90 mm     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   00 N     Operating travel   4 mm     Robustness max.   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B20   Environmental restistance     Cac. to IEC 60068-2-14, -30, -33 and -78     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78     Salt spray   IEC 600	Color of lens	translucent blue
Dimensions     Dimensions of collar   Ø 29.8 mm     Overall height   12.9 mm     Mounting depth   PCB 9.2 mm, QC 27 mm     Mounting hole   22.3 mm     Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mechanical design   mm     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   Operating travel     A mm   4 mm     Robustness max.   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Arbient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B21   Environmental restistance     Satt spray   IEC 600 68-2-11     Yes   IEC 600 68-2-11     Yes   IEC 600 68-2-11     Yes   IEC 600 6	Color of front ring	silver metallic
Dimensions of collar   ø 29.8 mm     Overall height   12.9 mm     Mounting depth   PCB 9.2 mm, QC 27 mm     Mounting hole   22.3 mm     Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mechanical design   9.8 mm     Mechanical design   momentary     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   Operating travel     Operating travel   4 mm     Robustness max.   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     Degree of protection from front side   IP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30,	Form of collar	round
Overall height   12.9 mm     Mounting depth   PCB 9.2 mm, QC 27 mm     Mounting hole   22.3 mm     Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mechanical design   9.8 mm     Mechanical design   9.8 mm     Mechanical design   momentary     Munning   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   00 N     Operating travel   4 mm     Robustness max.   100 N     Other specifications   -25 °C     Armbient temp. operating min.   -25 °C     Arbient temp. operating max.   +70 °C     Storage temperature min.   40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     Degree of protection from front side   IP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78	Dimensions	
Mounting depth   PCB 9.2 mm, QC 27 mm     Mounting hole   22.3 mm     Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mechanical design   momentary     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   0perating travel     Operating travel   4 mm     Robustness max.   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Arbient temp. operating max.   +70 °C     Storage temperature min.   40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     Degree of protection from front side   IP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 600 68-2-11, -30, -33 and -78     Salt spray   IEC 600 68-2-11     ROHS compliant   yes	Dimensions of collar	ø 29.8 mm
Mounting hole   22.3 mm     Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mechanical design   momentary     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   Operating travel     Robustness max.   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature min.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 500,000 latching cycle     B20   1,300,000 momentary / 650,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     Degree of protection from front side   IP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78     Salt spray   IEC 600 68-2-11     ROHS compliant   yes	Overall height	12.9 mm
Key grid   30 x 30 mm     Diameter of collar   29.8 mm     Mechanical design   ring nut     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   00 N     Operating travel   4 mm     Robustness max.   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B20   P65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78     Salt spray   IEC 600 68-2-11     ROHS compliant   yes	Mounting depth	PCB 9.2 mm, QC 27 mm
Diameter of collar   29.8 mm     Mechanical design   ring nut     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   0     Operating travel   4 mm     Robustness max.   100 N     Other specifications   40 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B20   Environmental restistance     Salt spray   IEC 600 68-2-11     ROHS compliant   yes	Mounting hole	22.3 mm
Mechanical design     Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   0     Operating travel   4 mm     Robustness max.   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     Degree of protection from front side   IP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78     Salt spray   IEC 600 68-2-11     ROHS compliant   yes	Key grid	<u>30 x 30 mm</u>
Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   0     Operating travel   4 mm     Robustness max.   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B210   EP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78     Salt spray   IEC 600 68-2-11     Were series   yes	Diameter of collar	29.8 mm
Mounting   ring nut     Contact function   momentary     Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   0     Operating travel   4 mm     Robustness max.   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     B210   EP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78     Salt spray   IEC 600 68-2-11     Were series   yes		
Contact functionmomentaryIlluminabilityyesTorque for nut ring1.2 NmMechanical characteristicsOperating travel4 mmRobustness max.100 NOther specificationsAmbient temp. operating min25 °CAmbient temp. operating max.+70 °CStorage temperature min40 °CStorage temperature max.+80 °COperating life1,000,000 momentary / 500,000 latching cycleB101,300,000 momentary / 650,000 latching cycleB101,300,000 momentary / 650,000 latching cycleB101,300,000 momentary / 650,000 latching cycleB101,600 68-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	-	
Illuminability   yes     Torque for nut ring   1.2 Nm     Mechanical characteristics   9     Operating travel   4 mm     Robustness max.   100 N     Other specifications   100 N     Other specifications   -25 °C     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     Degree of protection from front side   IP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78     Salt spray   IEC 600 68-2-11     POH Scompliant   yes		
Torque for nut ring1.2 NmMechanical characteristicsOperating travel4 mmRobustness max.100 NOther specificationsAmbient temp. operating min25 °CAmbient temp. operating max.+70 °CStorage temperature min40 °CStorage temperature max.+80 °COperating life1,000,000 momentary / 500,000 latching cycleB101,300,000 momentary / 650,000 latching cycleDegree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes		momentary
Mechanical characteristics     Operating travel   4 mm     Robustness max.   100 N     Other specifications     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     Degree of protection from front side   IP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78     Salt spray   IEC 600 68-2-11     ROHS compliant   yes		
Operating travel4 mmRobustness max.100 NOther specificationsAmbient temp. operating min25 °CAmbient temp. operating max.+70 °CStorage temperature min40 °CStorage temperature max.+80 °COperating life1,000,000 momentary / 500,000 latching cycleB101,300,000 momentary / 650,000 latching cycleDegree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	Torque for nut ring	1.2 Nm
Robustness max.100 NOther specifications-25 °CAmbient temp. operating min25 °CAmbient temp. operating max.+70 °CStorage temperature min40 °CStorage temperature max.+80 °COperating life1,000,000 momentary / 500,000 latching cycleB101,300,000 momentary / 650,000 latching cycleDegree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	Mechanical characteristics	
Other specifications     Ambient temp. operating min.   -25 °C     Ambient temp. operating max.   +70 °C     Storage temperature min.   -40 °C     Storage temperature max.   +80 °C     Operating life   1,000,000 momentary / 500,000 latching cycle     B10   1,300,000 momentary / 650,000 latching cycle     Degree of protection from front side   IP65 (DIN EN 60529)     Environmental restistance   acc. to IEC 60068-2-14, -30, -33 and -78     Salt spray   IEC 600 68-2-11     ROHS compliant   yes	Operating travel	4 mm
Ambient temp. operating min25 °CAmbient temp. operating max.+70 °CStorage temperature min40 °CStorage temperature max.+80 °COperating life1,000,000 momentary / 500,000 latching cycleB101,300,000 momentary / 650,000 latching cycleDegree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	Robustness max.	100 N
Ambient temp. operating max.+70 °CStorage temperature min40 °CStorage temperature max.+80 °COperating life1,000,000 momentary / 500,000 latching cycleB101,300,000 momentary / 650,000 latching cycleDegree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	Other specifications	
Storage temperature min40 °CStorage temperature max.+80 °COperating life1,000,000 momentary / 500,000 latching cycleB101,300,000 momentary / 650,000 latching cycleDegree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	Ambient temp. operating min.	-25 °C
Storage temperature max.+80 °COperating life1,000,000 momentary / 500,000 latching cycleB101,300,000 momentary / 650,000 latching cycleDegree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	Ambient temp. operating max.	+70 °C
Operating life1,000,000 momentary / 500,000 latching cycleB101,300,000 momentary / 650,000 latching cycleDegree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	Storage temperature min.	40 °C
B101,300,000 momentary / 650,000 latching cycleDegree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	Storage temperature max.	+80 °C
Degree of protection from front sideIP65 (DIN EN 60529)Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	Operating life	1,000,000 momentary / 500,000 latching cycle
Environmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Salt sprayIEC 600 68-2-11ROHS compliantyes	B10	· · · · · · · · · · · · · · · · · · ·
Salt spray IEC 600 68-2-11   ROHS compliant yes	Degree of protection from front side	IP65 (DIN EN 60529)
ROHS compliant yes	Environmental restistance	acc. to IEC 60068-2-14, -30, -33 and -78
ROHS compliant yes	Salt spray	IEC 600 68-2-11
REACH compliant yes	ROHS compliant	yes
	REACH compliant	yes



## Panel cut-out to IEC 60947-5-1



