

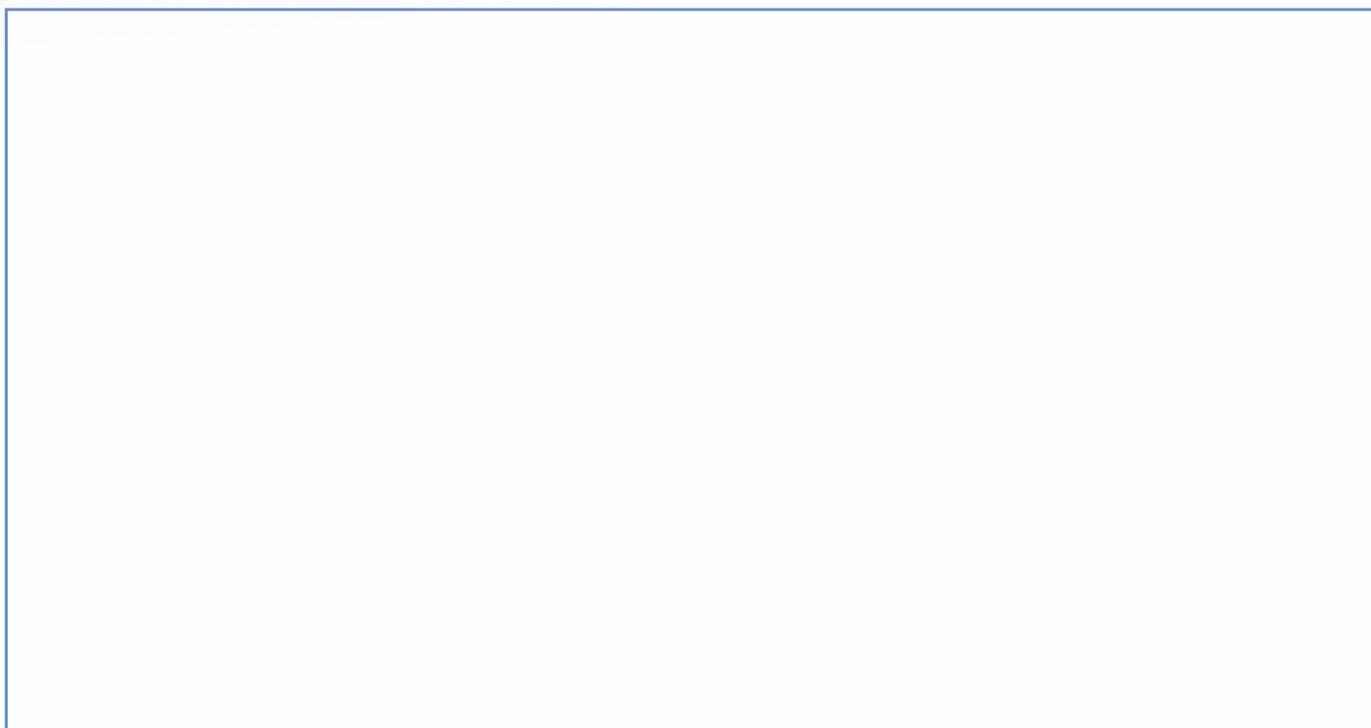
**PRODUCT DESCRIPTION:**

**FEP\_KP1\_E**

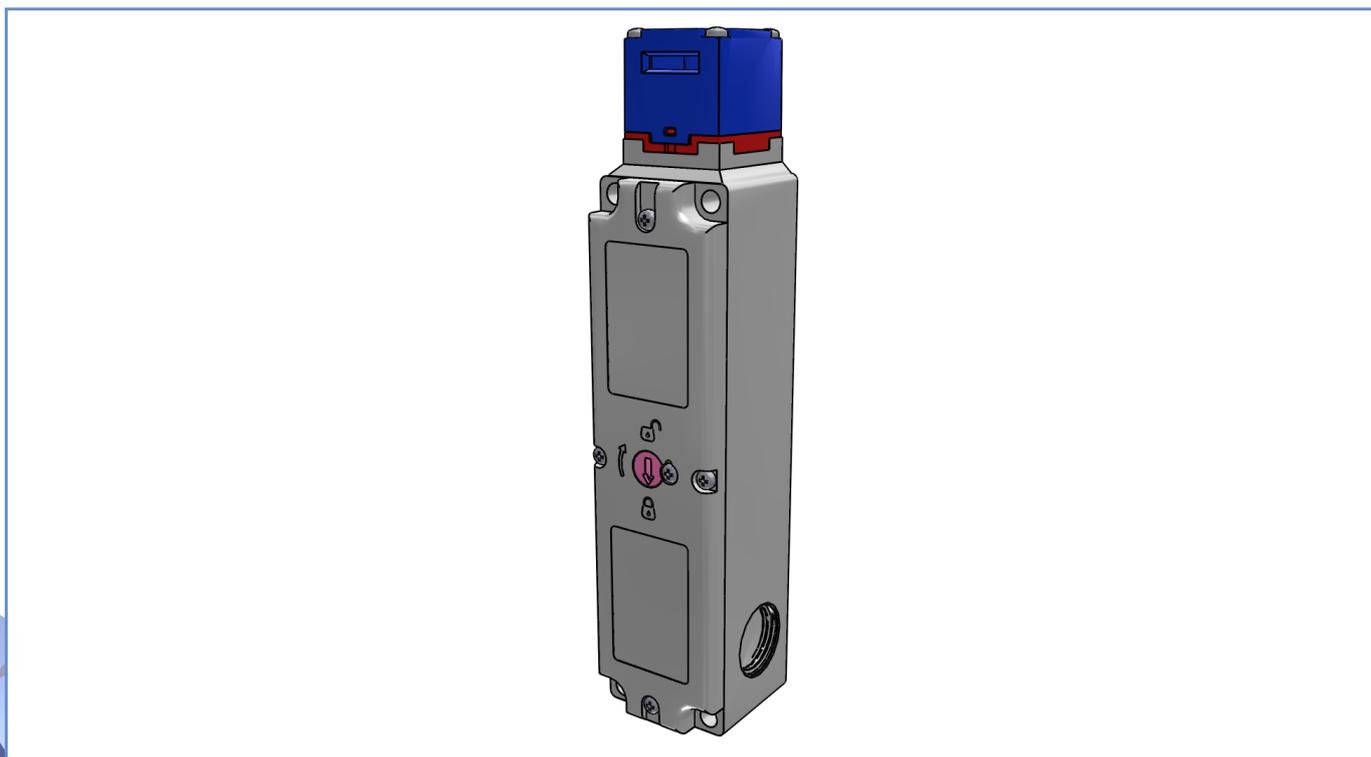
**PRODUCT CODE:**

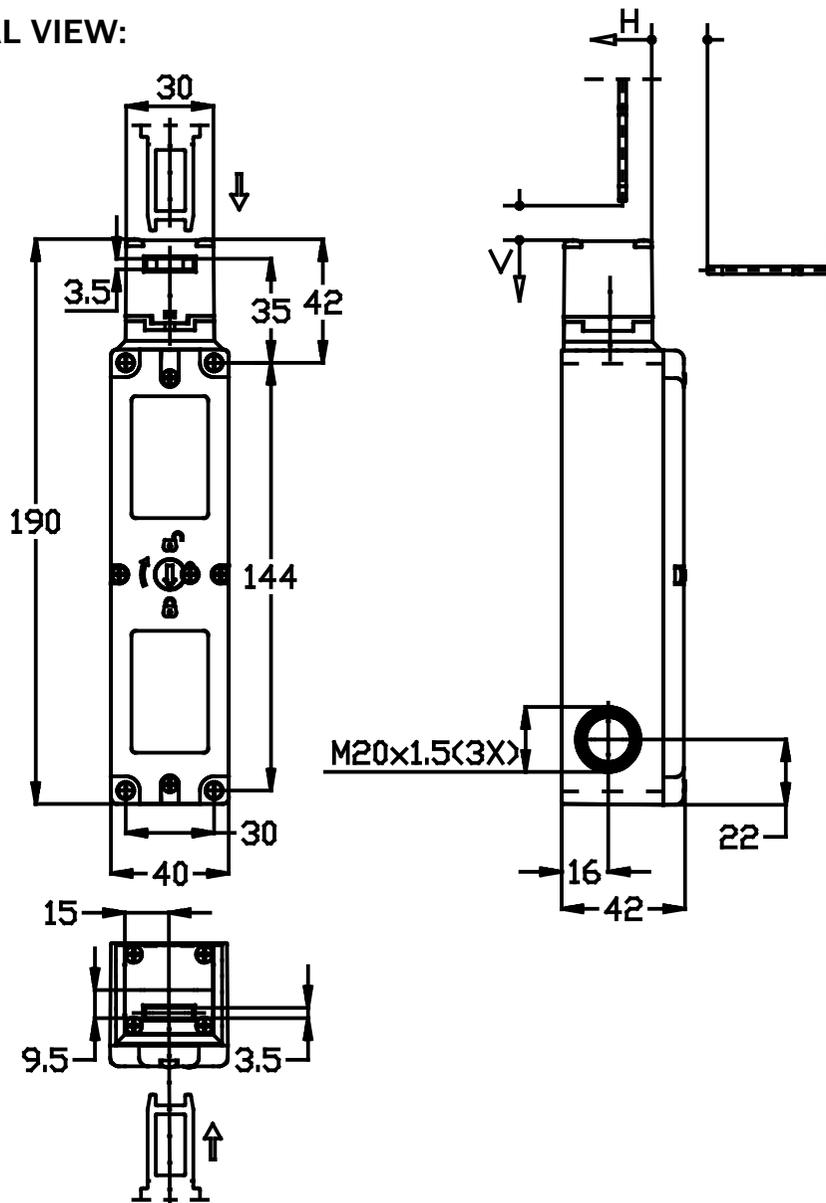
**FEP5KP1FA3-120E**

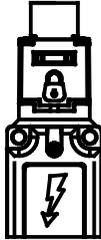
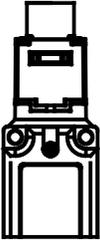
**DYNAMIC 3D VIEW:**



**STATIC 3D VIEW:**



**TECHNICAL VIEW:**


<b>FA3</b> 2 contact moved by actuator  2 contact moved by solenoid			
<b>ACTUATOR</b>	Inserted and locked	Inserted and unlocked	Not inserted
<b>SOLENOID</b>	Excited	Not excited	-
<b>ACTUATOR</b>	13 _ 14	13 _ 14	13 _ 14
<b>SOLENOID</b>	21 _ 22	21 _ 22	21 _ 22
<b>ACTUATOR</b>	31 _ 32	31 _ 31	31 _ 32
<b>SOLENOID</b>	41 _ 42	41 _ 42	41 _ 42

## DETAILS:

Part Number	FEP5KP1FA3-120E
Casing Material	Reinforced thermoplastic
Width [mm]	40
Electrical connections	Three threaded cable inlets for M20x1.5 cable glands
IP Degree of Protection	IP65
Actuating Head	Separated actuator
Head Material	Thermoplastic head
Head orientation	Standard 0°
Principle of operation	Electrical interlock
Solenoid power supply (AC/DC) [V]	120V AC/DC
Microswitch	(3NC + 1NO)
Contacts controlled by solenoid	(2NC)
Contacts controlled by an actuator	(1NC + 1NO)
Approvals	IMQ - cULus - CCC
Reference Directives	2014/35/UE - 2006/42/CE
Reference Standards	IEC 60947-5-1 / EN 60947-5-1 / EN ISO 14119
Interlock type according to EN ISO 14119	Type 2
Encoding level according to EN ISO 14119	Low
Operating Temperatures [°C]	-25°C ... +55°C
Stock Temperatures [°C]	-30°C ... +80°C
Protection against electric shocks (according to IEC 60536) [Class]	Class II - Double insulation
Rated Insulating Voltage Ui [V]	250
Pollution Degree	3
Contact rating secondo UL50	A300 - Q300
Rated Impulsive Voltage Uimp [kV]	2.5
Conventional thermal current in air free Ith ( $\theta < 40^\circ \text{C}$ ) [A]	10
Short circuit protection (EU <500Vac - fuses type gG (gl)) [A]	10
Operating currents Ie - AC-15 (50-60 Hz) according to IEC 60947-5-1	24V - 10A / 230V - 4A
DC-13 operating currents according to IEC 60947-5-1	24V - 4A
Switching Frequency [cycles/hour]	600

### PRODUCT DRAWING RELEASE:

Datasheet creation date: 29/05/2020 16:53

Last Modification (geometry): 25/02/2019 14:39



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**DETAILS:**

Maximum switching speed [m/min]	20
Resistance Between Contacts [mΩ]	25
Connecting Terminals	M3 screw with cable clamp (+,-) pozidriv 1
Connecting Cables Dimensions [mm <sup>2</sup> ]	0.34 ... 1.5
Marking Terminals	According to IEC 60947-5-1
Retention force [N]	1200
Mechanical Durability [Millions of Operations]	1
B10d [Millions of Operations]	4

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