#### SAFETY SWITCH WITH SOLENOID. KEY CONTACTS 1NO+1NC. SOLENOID CONTACTS 2NC. SOLENOID SUPPLY 120VAC/DC **ENERGY AND AUTOMATION**

Product designation         Safety switches with solenoid kEN1           General characteristics         KEN1           Material         Housing         Polymer thermoplastic           Type of contact characteristics           Type of contact         1 NO-41NC (Key).           Type of contact than current lth         A 10           IEC/EN 60947-5-1 designation         X 250           Rated insulation voltage Ui         V 250           Rated insulation voltage Uimp         kV 2.5           Short-circuit protection with fuse         Class/A 10 gG           IEC Conventional free air thermal current lth         A 10           Mechanical features         Screwed           Operating head fixing         Screwed           Operating torque         Screwed           Operating torque         In factuator insertion), 30 (Release actuator extraction), 1200 (locked actuator holding)           Tightening torque (Max)         Nm 0.8           Econductor section         Nm 0.8           Econductor section         IEC           IEC         Immin mm 1 on 2 on					General Control of the Control of th
KEN1           Ceneral characteristics           Housing         Polymer thermoplastic thermoplastic           Contact characteristics           Type of contact           Type of contact           Type of contact           Thermal current lth         A 100 (Solenoid)           Thermal current lth         A 200 Q300           Rated insulation voltage Uir         X 250           Rated insulation voltage Uirp         X 250           Rated insulation voltage Uirp         X 250           Rated insulation voltage Uirp         X 250           Rother type of contact with fuse         Class/A 10 General type of Class/A 1	Product designation				
General characteristics           Material         Housing         Polymer thermoplastic contact           Contact characteristics           Type of contact         INO+1NC (Key), 2NC (Solenoid)           The mail current lith         A 10           LEC IR 60947-5-1 designation         A 300 Q300           Rated insulation voltage Uir         V 250           Rated insulation voltage Uimp         kV 2.5           Short-circuit protection with fuse         Class/A 10 gG           IEC Conventional free air thermal current lith         A 10           Mechanical features         Screwed           Operating head fixing         Screwed           Operating torque         Mechanical features         Screwed           Operating torque (Max)         Switch fixing         In 5 (actuator insertion), 30 (Release actuator extraction), 1200 (locked actuator holding)           Tightening torque (Max)         Switch fixing         Nm         0.8           Contact terminals         Nm         0.8           Body	Product type designa	tion			
Material   Housing   Polymer thermoplastic					112111
Type of contact   Type of co					
Type of contact         INO+1NC (Key), 2NC (Solenoid)           Thermal current Ith         A         10 (Solenoid)           IEC/EN 60947-5-1 designation         V         250           Rated insulation voltage Uir         kV         2.5           Short-circuit protection with fuse         Class/A         10 gG           IEC Conventional free air thermal current Ith         A         10           Mechanical features         Screwed           Operating head fixing         Screwed           Operating torque         Screwed           Operating torque         (Release actuator extraction), 30 (Release actuator extraction), 1200 (locked actuator holding)           Tightening torque (Max)         Switch fixing         Nm         2.5           Econtact terminals         Nm         0.8           Body lid screw fixing         Nm         0.8           Conductor section         IEC         min         mm²         1 or 2           max         min²         1.5         Self-releasing screw terminal			Housing		
Type of Contect   Thermal current lith	Contact characteristic	CS CONTRACTOR CONTRACT			
EC/EN 60947-5-1 designation	Type of contact				
Rated insulation voltage Ui				Α	
Rated impulse withstand voltage Uimp		-			
Short-circuit protection with fuse         Class/A         10 gG           IEC Conventional free air thermal current Ith         A         10           Mechanical features         Operating head fixing         Screwed           Operating torque         Tightening torque (Max)         Switch fixing         15 (actuator insertion), 30 (Release actuator extraction), 1200 (locked actuator holding)           Tightening torque (Max)         Switch fixing         Nm         2.5           Contact terminals         Nm         0.8           Body lid screw fixing         Nm         0.8           Conductor section         IEC         min         min         mm²         1 or 2           Cable connection         Self-releasing screw terminal		•			
EC Conventional free air thermal current Ith   Mechanical features					
Mechanical features           Operating head fixing         Screwed           Operating torque         15 (actuator insertion), 30 (Release actuator extraction), 1200 (locked actuator holding)           Tightening torque (Max)         Switch fixing           Switch fixing         Nm 2.5           Contact terminals         Nm 0.8           Body lid screw fixing         Nm 0.8           Conductor section         IEC           min mm² 1 or 2 max mm² 1.5           Cable connection         Self-releasing screw terminal					
Operating head fixing         Screwed           Operating torque         15 (actuator insertion), 30 (Release actuator extraction), 1200 (locked actuator holding)           Tightening torque (Max)         Nm 2.5           Contact terminals         Nm 0.8           Body lid screw fixing         Nm 0.8           Conductor section         IEC           min mm² 1 or 2 max mm² 1.5         Cable connection           Cable connection         Self-releasing screw terminal		e air thermal current Ith		Α	10
Operating torque         Image: square of the properties of the proper					
Tightening torque (Max)					Screwed
Switch fixing   Nm   2.5	Operating torque			N	insertion), 30 (Release actuator extraction), 1200 (locked actuator
Nm   2.5	Tightening torque (Ma	ax)			_
Contact terminals    Nm   0.8     Body lid screw fixing   Nm   0.8     Conductor section   IEC   min   mm²   1 or 2     max   mm²   1.5     Cable connection   Self-releasing screw terminal		Switch fixing			
Nm   0.8				Nm	2.5
Nm   0.8				Nm	0.8
TEC  min mm² 1 or 2  max mm² 1.5  Cable connection  Self-releasing screw terminal		Body lid screw fixing		Nm	0.8
minmm²1 or 2maxmm²1.5Cable connectionSelf-releasing screw terminal	Conductor section	IEC			
Cable connection max mm² 1.5  Self-releasing screw terminal		-	min	mm²	1 or 2
Cable connection Self-releasing screw terminal					
	Cable connection				Self-releasing
	Cable entry				

Ambient conditions Temperature

Mechanical operation

440

600

1000000

4000000

g

cycles

cycles

cycles/h

Weight

B10d

Operations Mechanical life



# electric SAFETY SWITCH WITH SOLENOID. KEY CONTACTS 1NO+1NC. SOLENOID CONTACTS 2NC. SOLENOID SUPPLY 120VAC/DC

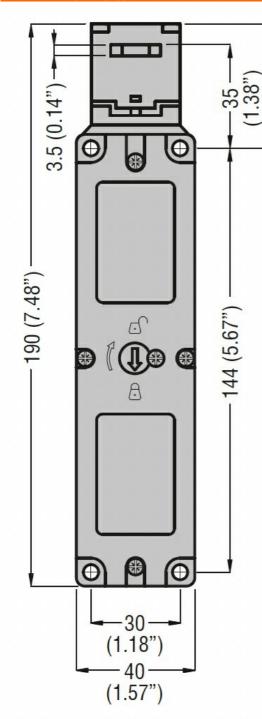
	max	°C.	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

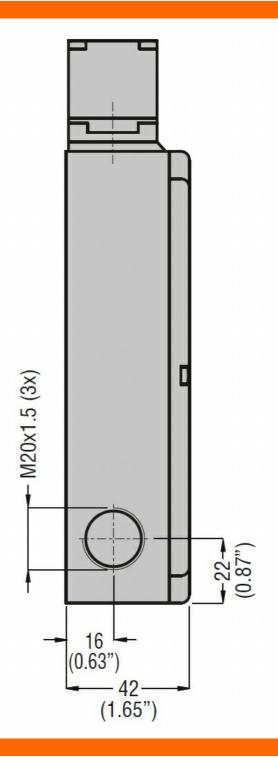
### Resistance & Protection

IP degree

n degree			
	Terminals	IP20	
	Body housing	IP65	
Pollution degree		3	

### Dimensions [mm (in)]



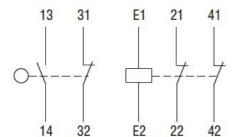


## Wiring diagrams

electric

SAFETY SWITCH WITH SOLENOID. KEY CONTACTS 1NO+1NC. SOLENOID CONTACTS 2NC.

SOLENOID SUPPLY 120VAC/DC



### Certifications and compliance

Compliance

CSA C22.2 n°14

IEC/EN 60204

IEC/EN 60947-1

IEC/EN 60947-5-1

UL508

**UNI EN ISO 14119** 

Certificates

cULus

EAC

ETIM classification

ETIM 8.0 EC000030 - End switch