



# Instruction ACB Cartridge Controls

060R9765

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**Media: HFC and HCFC refrigerants**

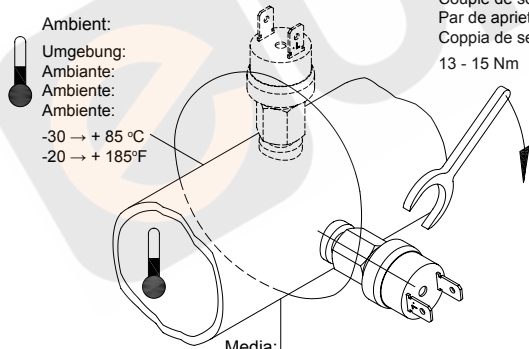
Medium: Kältemittel HFCKW und HFKW  
 Médias: HFC et HCFC  
 Aplicaciones: Refrigerantes fluorinados HFC/HCFC  
 Mezzo: HFC e HCFC refrigeranti

Type	Contact system	Ohmic	Inductive FLA	Starting LRA	Voltage
ACB-1UA	SPST-NO	1 A	1 A	6 A	120/240 AC
					250 AC
ACB-1UB	SPST-NC	1 A	1 A	6 A	120/240 AC
					250 AC
ACB-2UA	SPST-NO	8 A	8 A	48 A	120/240 AC
		6 A	6 A	36 A	250 AC
ACB-2UB	SPST-NC	8 A	8 A	48 A	120/240 AC
		6 A	6 A	36 A	250 AC
ACB-4UA	SPST-NO	0.075 A	0.075 A	0.075 A	120/240 AC and 30 DC
					250 AC and 30 DC
ACB-4UB	SPST-NC	0.075 A	0.075 A	0.075 A	120/240 AC and 30 DC
					250 AC and 30 DC
ACB-2UC	SPDT	8 A	8 A	48 A	120/240 AC
		4 A	4 A	24 A	250 AC

**Min/Max Temperature**

Min/Max Temperatur  
 Min/Max Température  
 Min/Max Temperatura  
 Min/Max Temperatura

Ambient:  
 Umgebung:  
 Ambiente:  
 Ambiente:  
 Ambiente:  
 -30 → + 85 °C  
 -20 → + 185°F

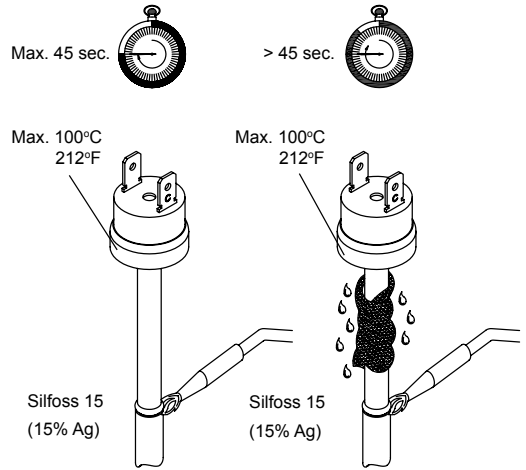


Torque:  
 Moment:  
 Couple de serrage:  
 Par de apriete:  
 Coppia de serraggio:  
 13 - 15 Nm

Media:  
 Medium:  
 Médias:  
 Aplicaciones:  
 Mezzo:  
 -55 → +135°C  
 -70 → + 275°F

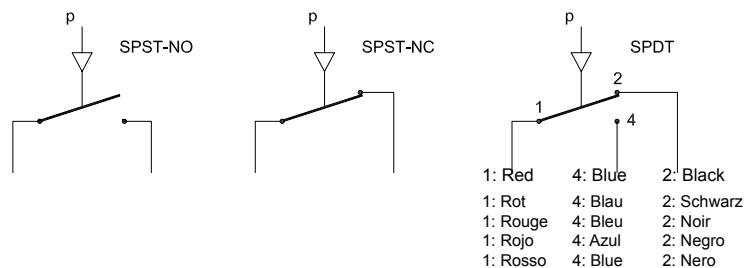
**Soldering**

Löten  
 Soudage  
 Saldatura  
 Soldadura



**Contact system**

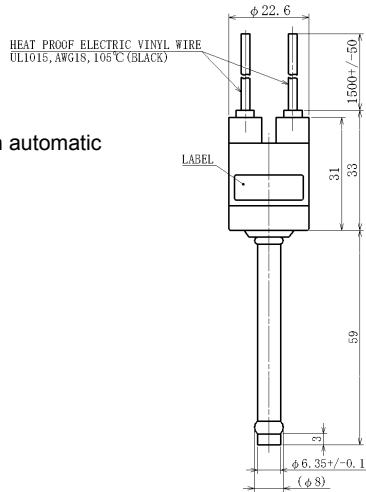
Kontaktsystem  
 Système de contacts  
 Contactos eléctricos  
 Tipo di contatti



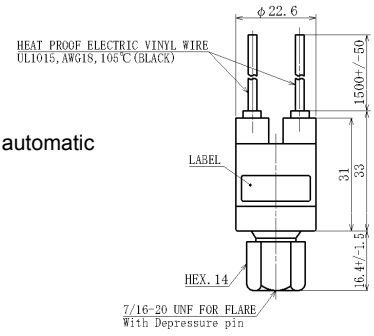


# DIMENSIONS OF STANDARD CARTRIDGE CONTROLS

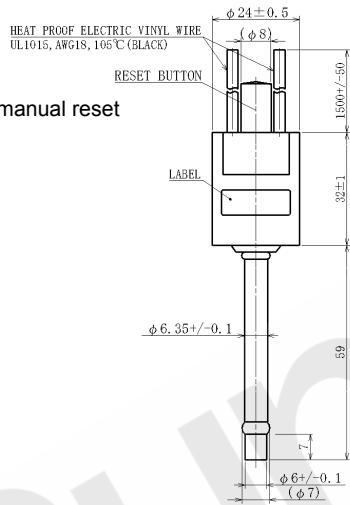
SPST water-proof with automatic reset 1/4" solder type



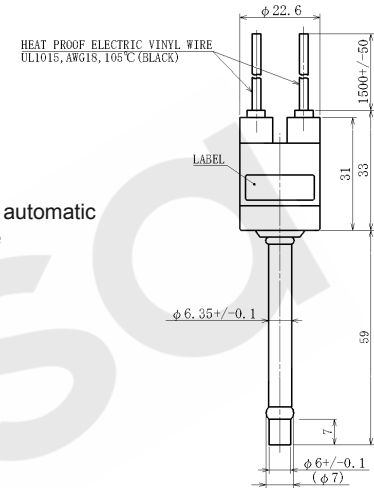
SPST water-proof with automatic reset female flare



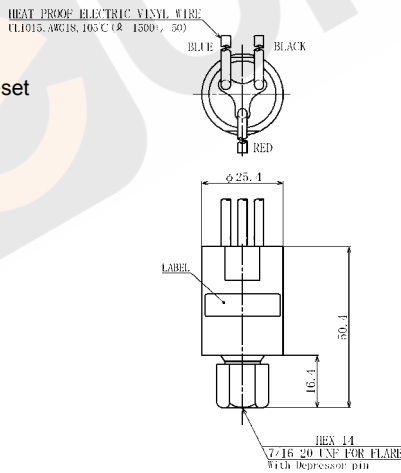
SPST water-proof with manual reset solder type



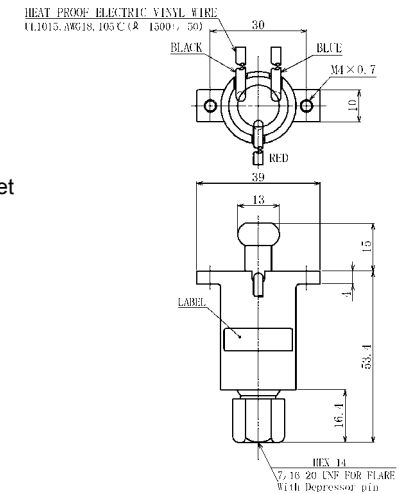
SPST water-proof with automatic reset 6 mm solder type



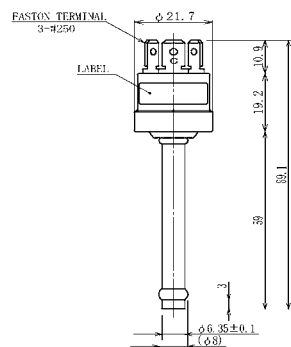
SPDT with automatic reset



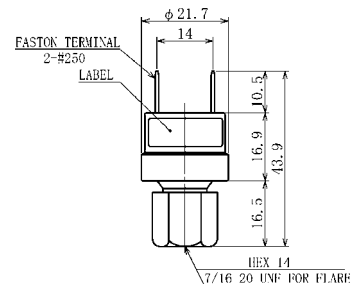
SPDT with manual reset



SPDT open type solder type



SPST open type with female flare





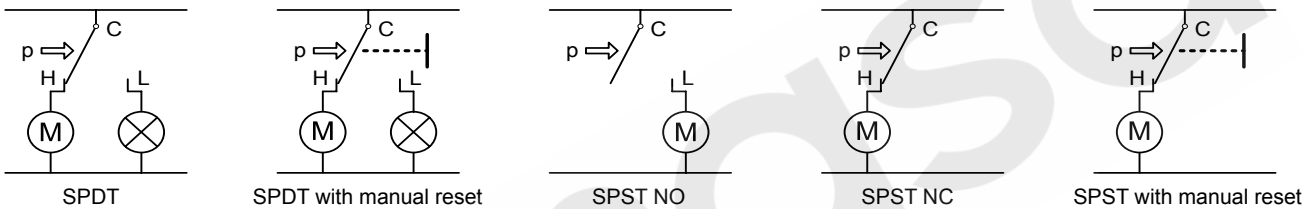
**PRINCIPLES OF OPERATION**

As pressure is applied through the connection on to the diaphragm, the diaphragm is pushed up against the operation shaft.

When the operation shaft rises, it pushes up the contact plate, so that H contact and C contact become disconnected (in Normally Closed switches) or H contact and L contact become connected (in Normally Open switches).

As the pressure in the connection decreases, the diaphragm returns to its original state, and the operation shaft lowers, causing the contact plate to return to its original position.

**ELECTRICAL CONNECTIONS**



SPST - Single Pole Single Throw  
 SPDT - Single Pole Double Throw

(NO) - Normally Open  
 (NC) - Normally Closed

**CONSTRUCTION**

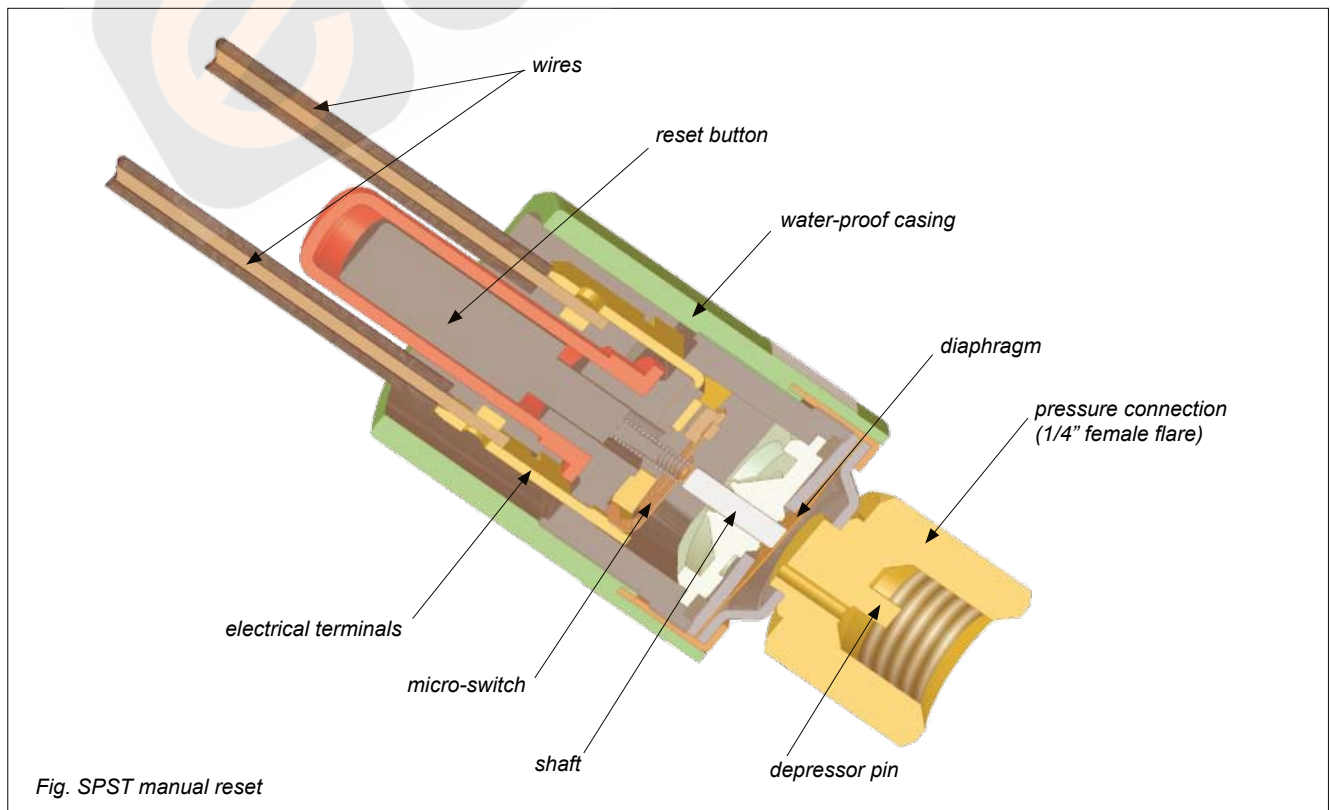


Fig. SPST manual reset