Mini-handle valve

Cv = .06

Handle with incorporated micro valve 3-way/2-position Normally Closed
Mod. 234-885
Handle with incorporated micro switch Mod. 234-88E

Manual handle with integrated pneumatic micro valve 3/2 or with an electrical micro switch with single pole changeover contacts. Rugged construction particularly suited to be incorporated in to other equipment, such as manual lifting systems, manual vacuum systems, locking and clamping systems.

Note: Handles can support a load of 330 lbf combined total when assembled with 2, M5 x 0.8 BOLTS x 10mm long. (Maximum bolt torque is 7 ft-lbs).

GENERAL and PNEUMATIC CHARACTERISTICS MOD. 234-885

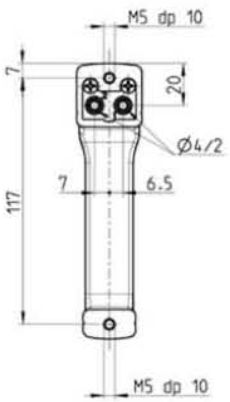
Construction	poppet-type (closed centers)
Valve function	3-way/2-position Normally Closed
Nominal diameter	2.5 mm orifice
Fixing	N°2 M5 x 0.8 female bolts
Ports	push in cartridge Ø4mm (5/32" OD)
Installation	in any position
Operating temperature	
Operating pressure	2 ÷ 10 bar (30-145 psi)
Nominal flow	Qn 60 Nl/min. (6 bar Δ p1) (2.12 SCFM)
Fluid	Filtered air, without lubricant*
Actuating force	at 6 bar 13N (3 lbs)
* If lubricated air is used, it is reccommended to use oil ISOVG32 grade. Once applied the lubrication should never be interrupted.	
32°F - 175°F (dry air required down to -4°F)	

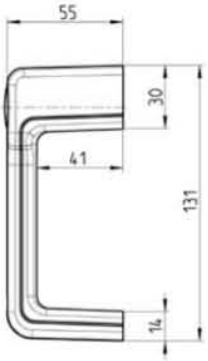
GENERAL and ELECTRICAL CHARACTERISTICS MOD. 234-88E

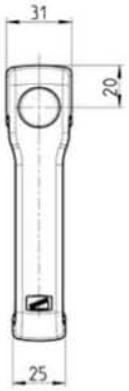
Construction	switch device
Electrical connections	3 wires Ø external 2,2 mm
	internal section 0,5 length 30 cm
	NC = black wire
	NO = blue wire
Fixing	N° 2 M5 x 0.8 female bolts
Mounting	in any position
Operating temperature	32°F - 175°F
Protection class	IP40
Activation stroke	2 mm
Actuating force	5 N (1 lbf)

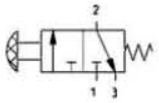
Cv = .06

Mod. 234-885 — Cv = .06

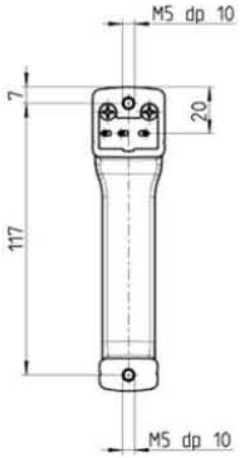


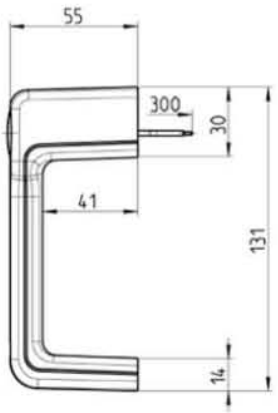


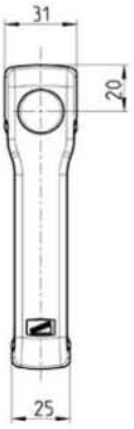


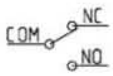


Mod. 234-88E — Cv = .06









	NON-INDUCTIVE LOAD				INDUCTIVE LOAD			
Voltage	Resistive		Lamp		Inductive		Motor	
	NC	NO	NC	NO	NC	NO	NC	NO
125 VAC	5 A		1.5 A	0.7 A	3 A		2.5 A	1.3 A
250 VAC	3 A		1 A	0.5 A	2 A		1.5 A	0.8 A
8 VDC	5 A		2A		5 A	4 A	3 A	
14 VDC	5 A		2A		4 A	4 A	3 A	
30 VDC	4 A		2A		3 A	3 A	3 A	
125 VDC	0.4 A		0.05 A		0.4 A	0.4 A	0.05 A	
250 VDC	0.2 A		0.03 A		0.2 A	0.2 A	0.03 A	

The above-mentioned values refer to steady-state-current.

The inductive load refers to power factor = 0.4 in Ac. and a time constant of 7 msec max. in Dc.

Lamp load has an inrush current of 10 times the steady-state current.

Motor load has an inrush current of 6 times the steady-state current.

If the switch is used in a DC circuit and is subjected to a surge connect a surge suppressor across the switch.