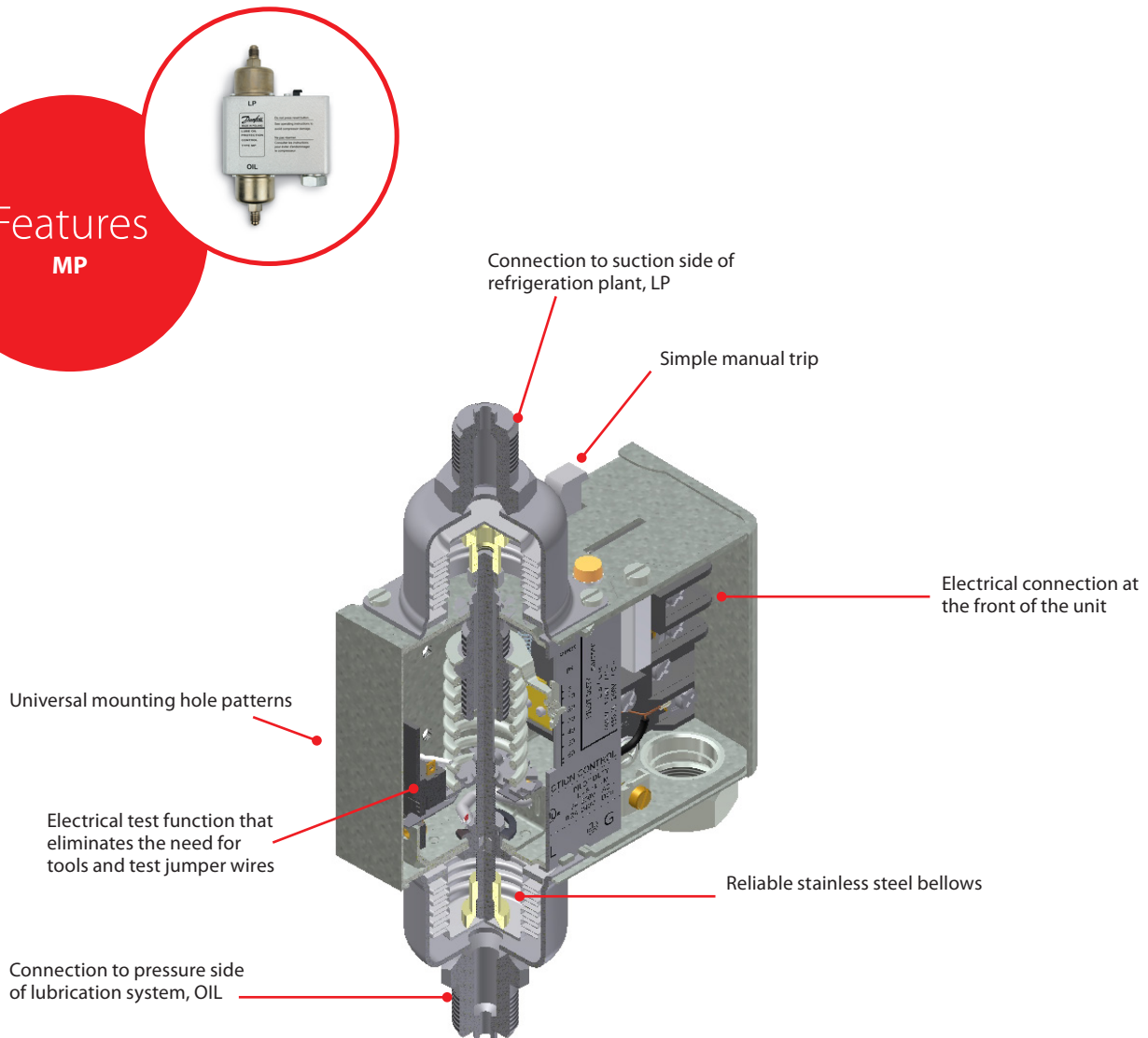


MP - Differential Pressure Switch / Lube Oil Protection Switch

MP 54 and MP 55 oil differential pressure switches are used to protect refrigeration compressors against low oil pressure. These switches are compatible with HCFC and non-flammable HFC refrigerants.

Features MP



Facts

Applications:

- Commercial refrigeration
- Commercial air conditioning
- Supermarket Refrigeration
- Food processing and storage

Product Types

- Fixed Differential (MP 54)
- Adjustable Differential (MP 55)

• Refrigerants: HCFC and non-flammable HFC refrigerants

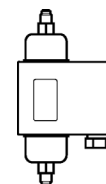
• Max working/test pressure: 245 psig/320 psig

• Ambient temperature: The time relay is temperature-compensated in the range -40 °F to +140 °F

• Enclosure: ~NEMA 1

• Cable entry: Integral ½ inch female NPSM swivel cable connector for ½ inch male pipe thread connector.

• Pressure connection: ¼ inch M flare or 36 inch capillary tube with ¼ inch flare nut



Technical data and ordering

MP - Differential Pressure Control / Lube Oil Protection Control

Danfoss Type	Control differential Δp (psig)	LP side Regulation range (in. Hg/psig)	Time relay delay time seconds	Competitor Code Nos.	Danfoss Code No.	Competitor Code Nos.	Danfoss Code No.
				¼ in. M flare		36 in. capillary tubes with ¼ in. flare nuts	
MP54	6	29 to 175	45	P145NCA/B-82C	060B200866	P45NCA-82C 3321-009	060B205066
	9	29 to 175	90	3321-001	060B200266		
	9	29 to 175	120	P145NCA/B-12C P31-5827 3321-001	060B200366 ²	P45NCA-12C P30-5826 3321-010	060B205366 ²
MP55	4.3 to 65	29 to 175	45			P288AA-18/2C P30-3601 3321-014/5 ³	060B205466
	4.3 to 65	29 to 175	60	P128AA-2C	060B201266 ¹		
	4.3 to 65	29 to 175	120	P128AA-17C	060B200766	P28AA-17C P28NA-5C P30-3801 3321-014/5 ³	060B205766

¹ With glow lamp that remains on during normal operation of compressor.

Note: When time delay is energized which also means that min. permissible oil pressure (differential Δp) is reached, light goes out.

² Three-wire hook-up with jumper that is provided in the box with control.

³ The 3321 series controls feature adjustable delay and fixed differential. The differential for 3321-014 controls is set at 15 psig and 3321-015 is at 30 psig. Select control with appropriate delay time.

Spare Parts and Accessories

Description	Type(s) applied to	Danfoss Code No.
Capillary tube; 39 in. with ¼ in. flare coupling nuts on each end	MP with ¼ in. M flare	060-017166