

OIL PROTECTION CONTROLS

Type ONS

SAGInoMIYA

GENERAL DESCRIPTION

- Provides dependable protection against major breakdown on pressure lubricated refrigeration compressors by guarding against low lubrication oil pressure.
- With manual reset.
- Built in time delay switch.
- Mounting bracket is supplied as standard.
- Ammonia models, drip proof models are available upon request.

CE mark applicable (available upon request)



TYPE NUMBER SELECTION (SPECIFICATIONS)

Unit: MPa {kgf/cm²}

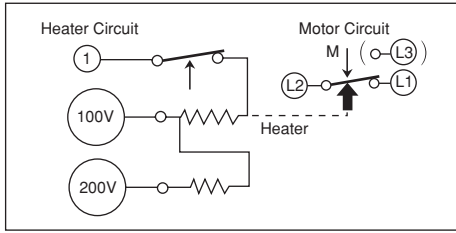
Catalog No.	Range		Differential	Timer Specification			Connection	Wt. (kg)					
	Min.	Max.		Delay Time(sec.)	Timer Voltage	Timer Circuit							
ONS-C106XQ1	0.05 {0.5}	0.35 {3.5}	Approx. 0.05 fixed { Approx. 0.5 fixed }	45	100/200V. AC	Standard (SPST) without Alarm Contact	1/4" Flare Nut	0.55					
ONS-C106XQ2				90									
ONS-C106XQ3				110									
ONS-C106XQ4				45	110/220V. AC				115/230V. AC				
ONS-C106XQ5				90									
ONS-C106XQ6				110									
ONS-C106XQ7				45	120/240V. AC				115/230V. AC				
ONS-C106XQ8				90									
ONS-C106XQ9				110									
ONS-C106XQ10				45	100/200V. AC				110/220V. AC				
ONS-C106XQ11				90									
ONS-C106XQ12				110									
ONS-C106XL1Q1				45	120/240V. AC		115/230V. AC						
ONS-C106XL1Q2				90									
ONS-C106XL1Q3				110									
ONS-C106XL1Q4				45	100/200V. AC		110/220V. AC						
ONS-C106XL1Q5				90									
ONS-C106XL1Q6				110									
ONS-C106XL1Q7				45	120/240V. AC		115/230V. AC						
ONS-C106XL1Q8				90									
ONS-C106XL1Q9				110									
ONS-C106XL1Q10				45	100/200V. AC		110/220V. AC						
ONS-C106XL1Q11				90									
ONS-C106XL1Q12				110									
ONS-C106XQ25				0.05 {0.5}	0.35 {3.5}		Approx. 0.05 fixed { Approx. 0.5 fixed }	45	100/200V. AC	With Alarm Contact (SPDT)	1/4" Flare Nut	0.55	
ONS-C106XQ26								90					
ONS-C106XQ27								110					
ONS-C106XQ28								45	110/220V. AC				115/230V. AC
ONS-C106XQ29								90					
ONS-C106XQ30								110					
ONS-C106XQ31								45	120/240V. AC				115/230V. AC
ONS-C106XQ32								90					
ONS-C106XQ33								110					
ONS-C106XQ34								45	100/200V. AC				110/220V. AC
ONS-C106XQ35								90					
ONS-C106XQ36								110					
ONS-C106XL1Q25	45	120/240V. AC	115/230V. AC										
ONS-C106XL1Q26	90												
ONS-C106XL1Q27	110												
ONS-C106XL1Q28	45	100/200V. AC	110/220V. AC										
ONS-C106XL1Q29	90												
ONS-C106XL1Q30	110												
ONS-C106XL1Q31	45	120/240V. AC	115/230V. AC										
ONS-C106XL1Q32	90												
ONS-C106XL1Q33	110												
ONS-C106XL1Q34	45	100/200V. AC	110/220V. AC										
ONS-C106XL1Q35	90												
ONS-C106XL1Q36	110												

- Max. Working Pressure: 1.5 MPa {15 kgf/cm²}
- Limit of Pressure Diff. $H_p \geq L_p$: 1.5 MPa {15 kgf/cm²}, H_p represents oil pump discharge pressure and L_p crank case pressure.
- Enclosure: IP20
- Drip Proof Construction type is available upon request. Please, add "W" into the catalog number on ordering; for example, ONS-C106XWQ30.
- Ammonia Application type ONS-C106XN is also available upon request (Differential to be 0.06 MPa {0.6 kgf/cm²} fixed).

ELECTRICAL RATINGS

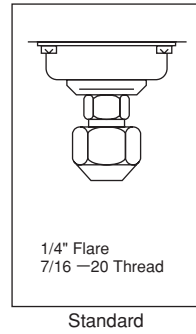
Rated Voltage. (V)		Power Factor (cos φ)	125/250 V. AC
Rated Amps. (A)			
Non-Inductive Current		1	3.5
Inductive Current	Full Load	0.75	3
	Locked Rotor	0.45	10

CONTACT FUNCTIONS



↑ : Operating direction of pressure increase
 ⬆ : Operating direction of timer when energized
 M ↓ : Operating direction of manual reset
 (L3: Alarm Contact provided with a lead wire approx.)
 φ 3.5×100mm with a soldered terminal.

PRESSURE CONNECTIONS



Refer to Pages 45, 46

1	Heater Circuit	Common Terminal
100		100V Power Supply Terminal
200		200V Power Supply Terminal
L1	Motor Circuit	Open on Decrease of Pressure Difference
L2		Main Contact
L3		Alarm Contact

110/220V. AC, 120/240V. AC etc. available

DIMENSIONS

