



8911DPSO33V09 Definite Purpose Starter



Type DPSG23V02

Types DPS and H through M

Class 8911 definite purpose starters are inexpensive starters for applications with relatively low duty cycles. Typical applications include air compressors, agricultural equipment, pumps, and HVAC equipment. Definite purpose starters offer:

- Low cost
- Small size
- Melting alloy overload block
- Trip-free reset mechanism
- Open type or enclosed
- 500,000 mechanical operations

Table 16.247: 2- and 3-Pole Starters—600 Vac Maximum

No. of Poles	Full Load (A)	Horsepower Ratings				Open Type Type [2], [3]	NEMA 1 Enclosed Type [2], [3]	No. of Thermal Units [1]
		115 V 1Ø	230 V 1Ø	230 V 3Ø	460/575 V 3Ø			
2-Pole Single Phase	20	1.5	3	—	—	DPSO12●●●	DPSG12●●●	1
	25	2	5	—	—	DPSO22●●●	DPSG22●●●	
	30	2	5	—	—	DPSO32●●●	DPSG32●●●	
	40	3	7.5	—	—	DPSO42●●●	DPSG42●●●	
3-Pole Poly- Phase	50	3	10	—	—	DPSO52●●●	DPSG52●●●	3
	20	1.5	3	7.5	7.5	DPSO13●●●	DPSG13●●●	
	25	2	5	10	15/20	DPSO23●●●	DPSG23●●●	
	30	2	5	10	15/20	DPSO33●●●	DPSG33●●●	
	40	3	7.5	10	20/25	DPSO43●●●	DPSG43●●●	
	50	3	10	15	30	DPSO53●●●	DPSG53●●●	

Table 16.248: Cross Reference Existing/Replacement Class 8911

Existing Device	Replacement Device
HO33	DPSO13
HG33	DPSG13
JO33	DPSO23
JG33	DPSG23
KO33	DPSO33
KG33	DPSG33
KO43	[4]
KG43	[4]
LO33	DPSO43
LG33	DPSG43
MO33	DPSO53
MG33	
MO43	DPSG53
	[4]
MG43	[4]

Table 16.249: Miscellaneous Parts and Kits

Description	Class & Type
Start-Stop push button kit [5]	8911DPB1
Hand-Off-Auto selector switch kit [6]	8911DSS1
Standard N.C. overload relay contact	9998SO1
N.C. and N.O. isolated overload relay alarm contacts	9999SO4
Overload relay jumper strap	9998SO31

Table 16.250: Replacement Magnet Coil for Class 8911 Type DPS

Full Load (A)	Poles	Class 9998 Type DA2 [7]	Volt A	
			Inrush	Sealed
50 A	2 and 3		109	10

See page 16-124 for replacement contacts for DPS devices.

Table 16.251: Coil Voltage Codes

Voltage, 60 Hz	Voltage, 50 Hz	Voltage Code
24	24	V14
120	110	V02
208-240	220	V09
277	—	V04
480	440	V06
600	550	V07

Table 16.252: Auxiliary Contacts for Type DPS Starters

Description	20-90 A Class 9999 Type
1 N.O.	D10
1 N.C.	D01
1 N.O./1 N.C.	D11
2 N.O.	D20

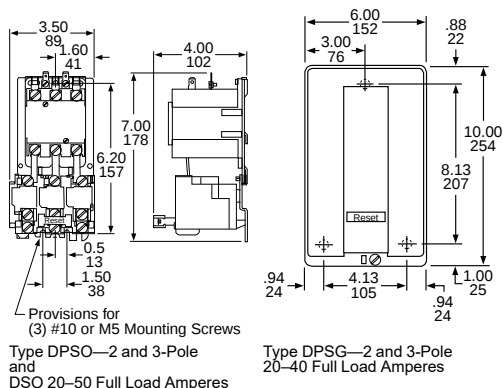
NOTE: Auxiliary contacts must be field installed.

Table 16.253: Ratings—Overload Contacts and Auxiliary Contacts

Device	Volts AC	Pilot Duty – AC Only (35% Power Factor)		Continuous Current Rating
		Make	Carry and Break	
9998 SO1	120 or Less	30 A	3 A	5 A
9999 SO4				
9999 R20 & R21	120-600	3600 VA	360 VA	5 A
9999 D10, D01, D11 & D20				

Table 16.254: How to Order

To Order Specify:	Catalog Number			
• Class Number	Class	Type	Coil Voltage Code	Form(s)
• Type Number				
• Voltage Code				
• Form(s)	8911	DPSG33	V02	



[1] See for selection information on standard trip thermal units.

[2] Holding circuit contacts are not provided as standard; refer to Table 16.252 for kit.

[3] Replace the three bullets (●●●) in the catalog number with the coil voltage code. Refer to the standard voltage codes listed in Table 16.251.

[4] Type DPS 4-pole starter not available. Suggest 3-pole device with auxiliary contact.

[5] Does not include holding circuit interlock—order auxiliary contact.

[6] Use for 20 to 40 A starters. For 50 A starters, use the 9999BLX bracket.

[7] Append the coil voltage code from Table 16.251.