

# Panelboards & Motor Starters

DM Series: Motor Starters – Flameproof



Ex d IIB Version



Ex d IIC Version

Compliance Data:  
ATEX - IEC:

Zone 1 & 2, 21 & 22	ATEX	II 2 GD	IEC	CE
Ex d IIB – Ex d IIC	T5 – T3	Ex tD A21	T95°C – T195°C	IP66 – IK10

Operating Temperature:

-40°C to +55°C



PANELBOARDS & MOTOR STARTERS

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## DM Series: Motor Starters – Flameproof

Zone 1 & 2 - 21 & 22

II 2 G

ATEX / IEC

IP66 - IK10

### Applications:

- Motor starters are used in areas where hazardous materials are handled or stored.
- These units provide disconnecting means and thermal overload protection.

### Features:

- Three pole contactor.
- Thermal overload relay with stop/reset push button.
- Start push button.
- Rated voltage 400/415 V 50/60 Hz AC-3 category.

- Yellow laminated plastic legend plate with black lettering.
- Internal earth terminal 2 x 4 mm<sup>2</sup>.
- External ground terminal: M5 for Ex d IIB version.
- Earth crossing terminal M8 for Ex d IIC version.
- 1 x M20 entry on top.
- 2 x M20 entries at bottom with one blanking plug.
- Cable glands to be ordered separately.

### Standard Material of Fixtures:

- Gray painted marine grade aluminum alloy housing (RAL7038).
- Stainless steel cover bolts.

### Catalog Number Logic:

DM	X	X	X	X	X	X
Series:	Main Protection:	Power:	Type:	Rated Voltage:	Control Circuit Voltage	Options:
DM = DM Series	B = Ex d IIB	000 = Empty	D = D.O.L.	4 = 400/415 V 50/60 Hz	M = 220/230 V 50/60 Hz	# = Customized Motor Starter
Zone 1, 2 – 21, 22	C = Ex d IIC	003 = 0.37 kW			P = 230 V 50/60 Hz	# 6 digit number will be assigned at time of order placement.
ATEX / IEC Certified		005 = 0.55 kW			U = 240 V 50/60 Hz	
		007 = 0.75 kW			Q = 380/400 V 50/60 Hz	
		011 = 1.1 kW				
		015 = 1.5 kW				
		022 = 2.2 kW				
		037 = 3.7 kW				
		040 = 4.0 kW				
		055 = 5.5 kW				
		075 = 7.5 kW				
		090 = 9.0 kW				
		110 = 11 kW				

### Ordering Information:

Enclosure for Housing Contactor with Overload Relay up to 11 kW  
Ex d IIB T3 for -40°C to +55°C ambient temperature:

Type	Description	Weight (Kg.)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number
CF2D	For 25 A, 11 kW 400/415 V max., contactor and thermal overload relay not supplied (LC1D09 to LC1D25 and LRD – from Schneider Electric)	4	14	DMB000D	093114

### Enclosure Fitted and Pre-Wired with Contactor and Thermal Overload Relay

CF2D	For 5.5 kW 400/415 V Motor Coil 230 V Fitted with contactor LC1-D12 P7 and thermal overload relay LRD-16	4.5	14	DMB055D4P	/
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Enclosure for Housing Contactor with Overload Relay up to 5.5 kW  
Ex d IIC T5 for -40°C to +55°C ambient temperature

Type	Description	Weight (Kg.)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number
CF1C	For 12 A, 5.5 kW 400/415 V max. contactor and thermal overload relay not supplied (LC1D09 to LC1D25 and LRD-- from Schneider Electric)	4	14	DMC000D	/

### Enclosure Fitted and Pre-Wired with Contactor and Thermal Overload Relay

CF1C	For 5.5 kW 400/415 V Motor Coil 230 V Fitted with contactor LC1-D12 P7 and thermal overload relay LRD-16	4.5	14	DMC055D4P	/
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Options: Other power and control voltage available as per catalog number logic

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Zone 1 & 2 - 21 & 22  
II 2 G  
ATEX / IEC  
IP66 - IK10

### Compliances:

Hazardous Area	Gas	Dust
Certified Type	CF2D	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 II 2 G	CE 0081 II2 D
Symbol of Protection ATEX	Ex d IIB	Ex tD A21
Symbol of Protection IEC		
T Rating	T3	N.A.
Surface Temperature	N.A.	T195°C
Ambient Temperature	-40°C to +55°C	
CE Declaration of Conformity	50254	
ATEX Certificate	LCIE 03 ATEX 6061X	
IEC Certificate	LCIE Ex 03.006X	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	
Internal Volume	2 dm <sup>3</sup> (2 liters)	

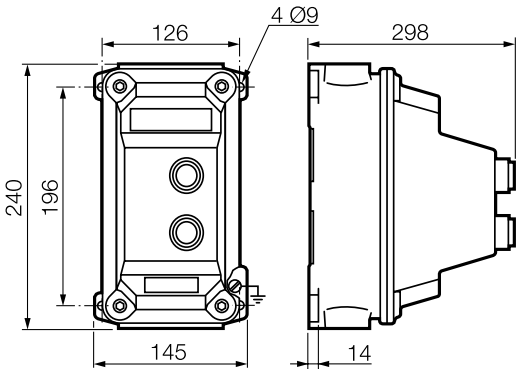
Hazardous Area	Gas	Dust
Certified Type	CF1C	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 II 2 G	CE 0081 II2 D
Symbol of Protection ATEX	Ex d IIC	Ex tD A21
Symbol of Protection IEC		
T Rating	T5	N.A.
Surface Temperature	N.A.	T95°C
Ambient Temperature	-40°C to +55°C	
CE Declaration of Conformity	50257	
ATEX Certificate	LCIE 03 ATEX 6044X	
IEC Certificate	LCIE Ex 03.003X	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	
Internal Volume	≤ 2 dm <sup>3</sup> (2 liters)	

### Standards:

Ex standards	EN / IEC 60079-0; 60079-1; 61241-0; 61241-1
Product standards	/
EMC standards	/
Other standards	EN / IEC 60529 (IP); 62262 (IK)

### Dimensions (mm):

Type CF2D



Type CF1C

