

HDS3 Magnetic Starters

Standard: IEC60947-4



Range Presentation

HDS3 is Himel 3 series range of Magnetic Starter mainly used for AC 50/60Hz control system and maximum rated working voltage up to 660V. Direct start and stop of three-phase squirrel cage induction motor with maximum rated working current up to 95A under AC-3 using type, and overload protection is provided for the motor.

Features

- ◆ Frame size 38 with plastic housing
- ◆ Frame size 18/38/95 with metal housing
- ◆ IP54 Protection level
- ◆ With HDC3 series contactor and HDR3s series thermal relay

Online Content



HDS3

Selection Code

Range name	Frame size	Operation type	Rated current	Coil voltage	Coil frequency	Thermal relay	Housing
HDS3	38	B	09	M	7	P16	
HDS3	18: 18A	B: with push button	09: 9A 12: 12A 18: 18A 25: 25A 32: 32A 38: 38A	C: 36V F: 110V S: 127V M: 220/230V Q: 380/400V L: 415V X: 440V	7: 50/60Hz	P16: 0.1-0.16A 1P6: 1.0-1.6 A 93: 80-93A	Default: Plastic M: Metal
	38: 38A						
	95: 95A		40: 40A 50: 50A 65: 65A 80: 80A 95: 95A				Default: M: Metal

Note: Please refer to P(62) for detailed order information.

Technical Parameters													
Magnetic Starters			HDS3-18 Metal			HDS3-38 Metal			HDS3-95 Metal				
			HDS3-38 Plastic										
Rated operatiing current (Ie) AC-3			9A	12A	18A	25A	32A	38A	40A	50A	65A	80A	95A
Maximum motor power kW (AC-3,380V)			4	5.5	7.5	11	15	18.5	18.5	22	30	37	45
Horse power hp (AC-3,380V)			5.4	7.4	10.1	20.1	24.8	40.2	40.2	44.2	49.6	60.4	60.4
Mechanical endurance 10 thousand times			1200			1000			900			650	
Electrical endurance AC-3 10 thousand times			110				90			65			
Operation frequency AC-3 time/h			1200				600						
Rated insultaion voltage (Ui)			690V										
Rated operating voltage (Ue)			240V, 380V/400V, 440V, 660V										
Rated control circuit voltage (Uc)			36V, 110V, 127V, 220/230, 380/400, 415V, 440V										
Coil frequency			50/60Hz										
Operation type			With Pushbutton										
IP grade			IP54										
Certificate			CE, SEMKO										
Standard			IEC 60947-4-1										
Environmental requirement	Altitude		2000m										
	Ambient temperature		-5°C ~ +40°C										
	Storage temperature		-25°C ~ +70°C										
	Installation position		The inclination to the vertical plane does not exceed ±5°										
	Rated withstand voltage		6kV										
	Humidity requirement		The atmospheric relative humidity does not exceed 50% when the highest ambient temperature is +40°C. It is allowed to have a higher humidity under lower temperature, e.g. up to 90% at +25°C and the dew on the product due to the temperature change should be taken into consideration.										
	Installation condition		a. In a medium where is no explosion danger, and the medium has no place where can corrode matal and damage insulated gas and conductive dust; b. In a place where has snow-proof equipment and lack of water vapour; c. In a place without significant shock andd vibration.										

HDS3 Magnetic Starters

Standard: IEC60947-4



Order Information

Motor power pe (KW,AC-3, 380V)	Rated current (A)	Frame size		Setting current (A)		AC Contactor type	Thermal overload relay type	Order reference with pushbutton				
		HDS3		Range	Code	HDC3	HDR3s					
	9	HDS3-18 Metallic	HDS3-38 Plastic	0.1~0.16	P16	HDC3-9A	HDR3s-25	HDS318B09*7P16M /HDS338B09*7P16				
				0.16~0.25	P25			HDS318B09*7P25M /HDS338B09*7P25				
				0.25~0.4	P4			HDS318B09*7P4M /HDS338B09*7P4				
				0.4~0.63	P63			HDS318B09*7P63M /HDS338B09*7P63				
				0.63~1	01			HDS318B09*701M /HDS338B09*701				
0.37				1~1.6	1P6			HDS318B09*71P6M /HDS338B09*71P6				
0.75				1.6~2.5	2P5			HDS318B09*72P5M /HDS338B09*72P5				
1.5				2.5~4	04			HDS318B09*704M /HDS338B09*704				
2.2				4~6	06			HDS318B09*706M /HDS338B096*706				
3				12	HDS3-38 Metallic			HDS3-38 Plastic	5.5~8	08	HDC3-12A	HDR3s-38
4	7~10	10	HDS318B12*710M /HDS338B12*710									
5.5	9~13	13	HDS318B18*713M /HDS338B18*713									
7.5	25	12~18	18	HDC3-25A		HDS338B25*718M /HDS338B25*718						
11		17~25	25			HDS338B25*725M /HDS338B25*725						
15		23~32	32			HDC3-32A	HDS338B32*732M /HDS338B32*732					
18.5	38	30~40	38	HDC3-38A		HDS338B38*740M /HDS338B38*740						
18.5	40	HDS3-95 Metallic		30~40		40	HDC3-40A		HDR3s-93	HDS395B40*740		
22	50			37~50		50				HDC3-50A	HDS395B50*750	
30	65			48~65		65				HDC3-65A	HDS395B65*765	
37	80			63~80	80	HDC3-80A		HDS395B80*780				
45	93A			80~93	93	HDC3-95A		HDS395B95*793				

MOTOR MANAGEMENT

HDS3 Magnetic Starters

Standard: IEC60947-4



HDS3 Magnetic Starter is mainly used for control AC 50/60 Hz and maximum rated working voltage in up to 660V. Direct start and stop of three-phase squirrel cage induction motor with maximum rated working current is up to 95A under AC-3 using type, and over protection is provided for the motor.



38 frame – Plastic housing



Rated Insolation Voltage (Ui)	690V
Rated Operating Voltage (Ue)	240V, 380V/400V, 440V, 660V
Rated Control Circuit Voltage (Uc)	36V, 110V, 127V, 220/230, 380/400, 415V, 440V
Coil Frequency	50/60Hz
Operation Type	With Pushbutton
IP Grade	IP54
Certification	CE
Standard	IEC 60947-4-1

18/38/95 frame – Metal housing



- IP54 Protection level ;
- With better contactor
- and better thermal relay ;
- Better performance ;
- More reliable ;
- RoHS2.0, CE

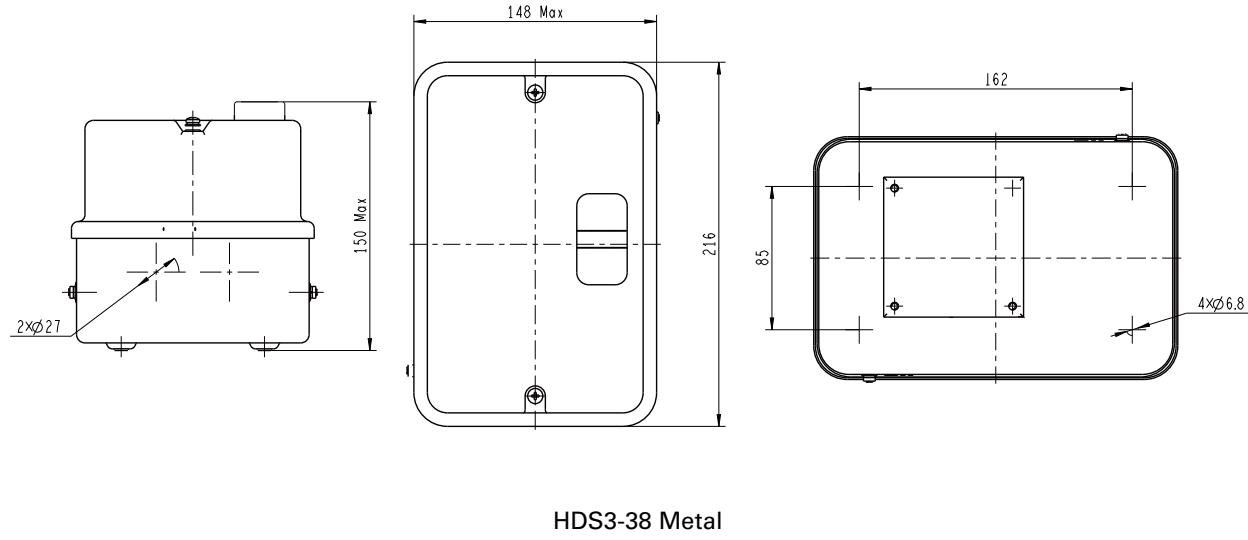
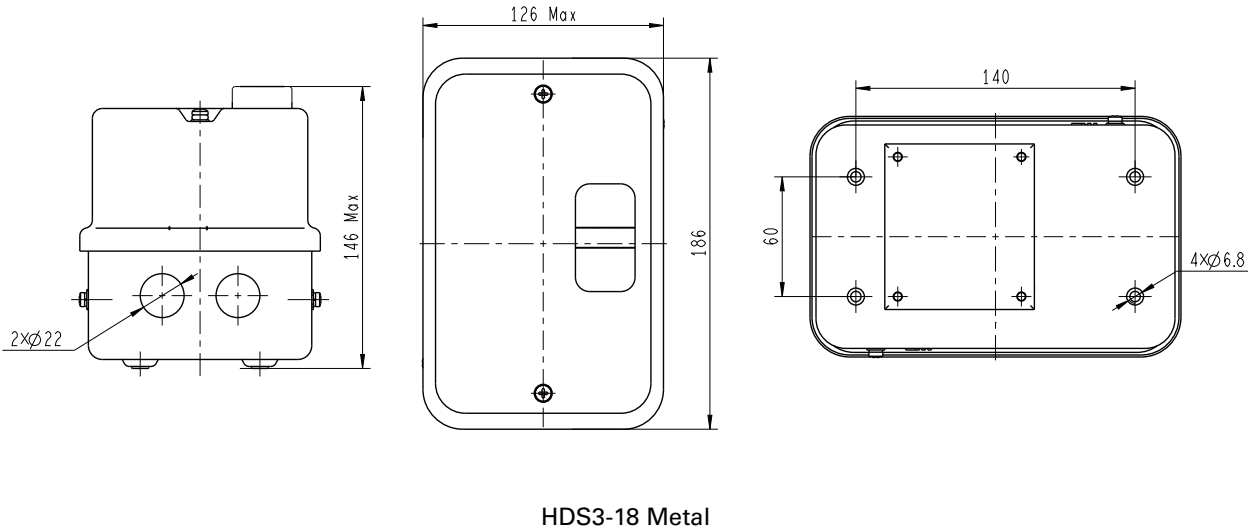
MOTOR MANAGEMENT

HDS3 Magnetic Starters

Standard: IEC60947-4



Overall Dimension of Installation (mm)

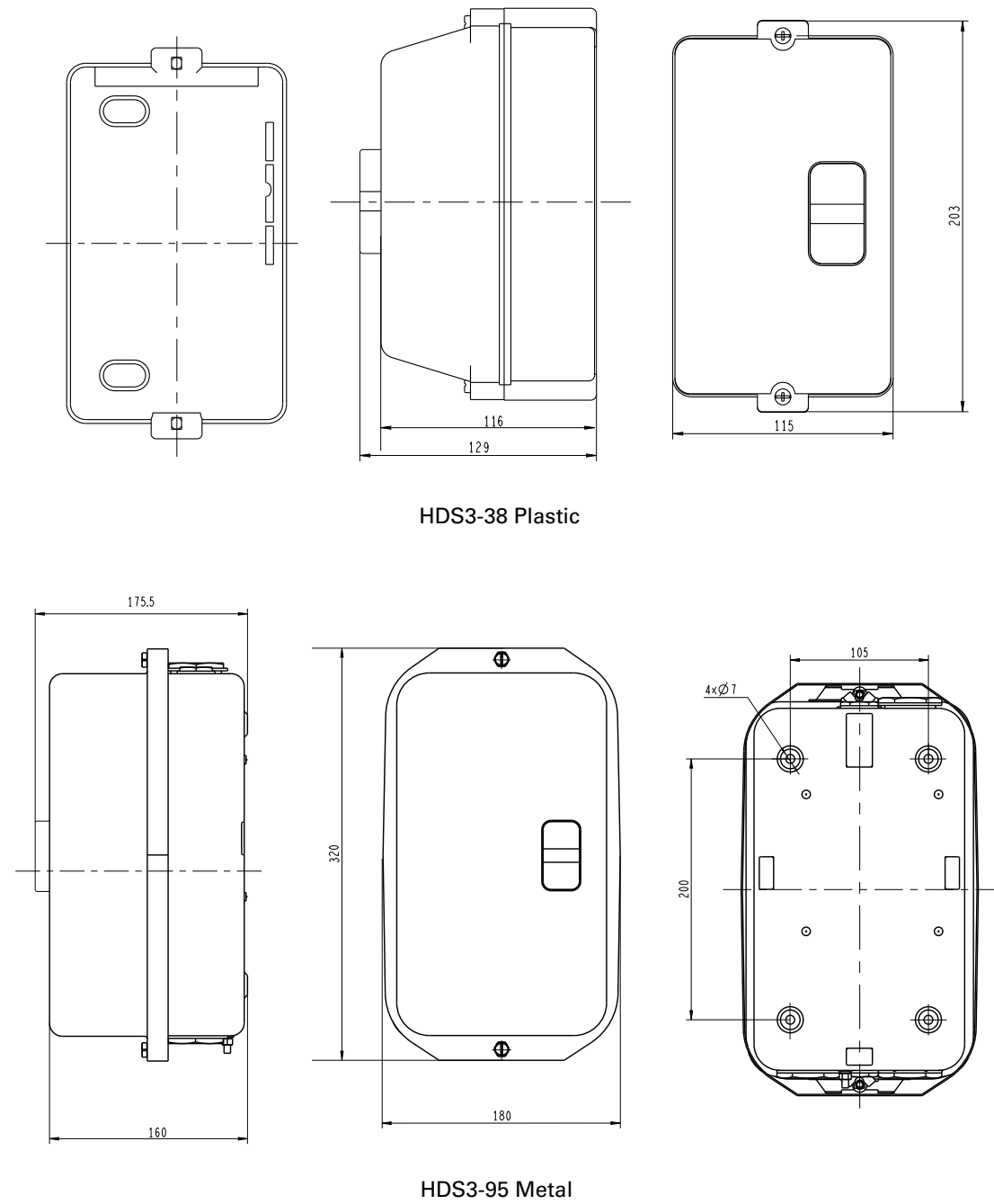


HDS3 Magnetic Starters

Standard: IEC60947-4



Overall Dimension of Installation (mm)



HDS3 Magnetic Starters

Standard: IEC60947-4



Wiring Diagram

