

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 38: 38A 95: 95A	B: with push button	09: 9A 95: 95A	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

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 temperatAure	-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 consid-eration.										
	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.										

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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	
0.37	9	HDS3-18 Metallic		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	1			HDS318B09*701M /HDS338B09*701
				1~1.6	1P6			HDS318B09*71P6M /HDS338B09*71P6
0.75	12	HDS3-38 Plastic		1.6~2.5	2P5	HDC3-12A	HDR3s-25	HDS318B09*72P5M /HDS338B09*72P5
1.5				2.5~4	4			HDS318B09*704M /HDS338B09*704
2.2				4~6	6			HDS318B09*706M /HDS338B096*706
3				5.5~8	8			HDS318B09*708M /HDS338B09*708
4				7~10	10			HDS318B12*710M /HDS338B12*710
5.5				9~13	13			HDS318B18*713M /HDS338B18*713
7.5	25	HDS3-38 Metallic		12~18	18	HDC3-25A	HDR3s-3	HDS338B25*718M /HDS338B25*718
11				17~25	25			HDS338B25*725M /HDS338B25*725
15	32	HDS3-95 Metallic		23~32	32	HDC3-32A	HDR3s-93	HDS338B32*732M /HDS338B32*732
18.5	38			30~40	38	HDC3-38A		HDS338B38*740M /HDS338B38*740
18.5	40			30~40	40	HDC3-40A		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

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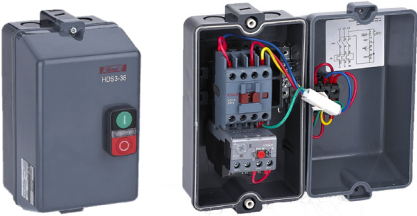
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HDS3 Magnetic Starter is mainly used for control AC 50/60 Hz and maximum rated working voltage in up to 660V. Direct start and stop of three-phase squirrel cage induction motor with maximum rated working current is up to 95A under AC-3 using type,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

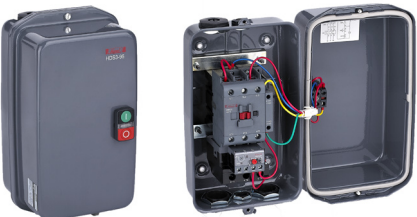


38 frame – Plastic housing



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



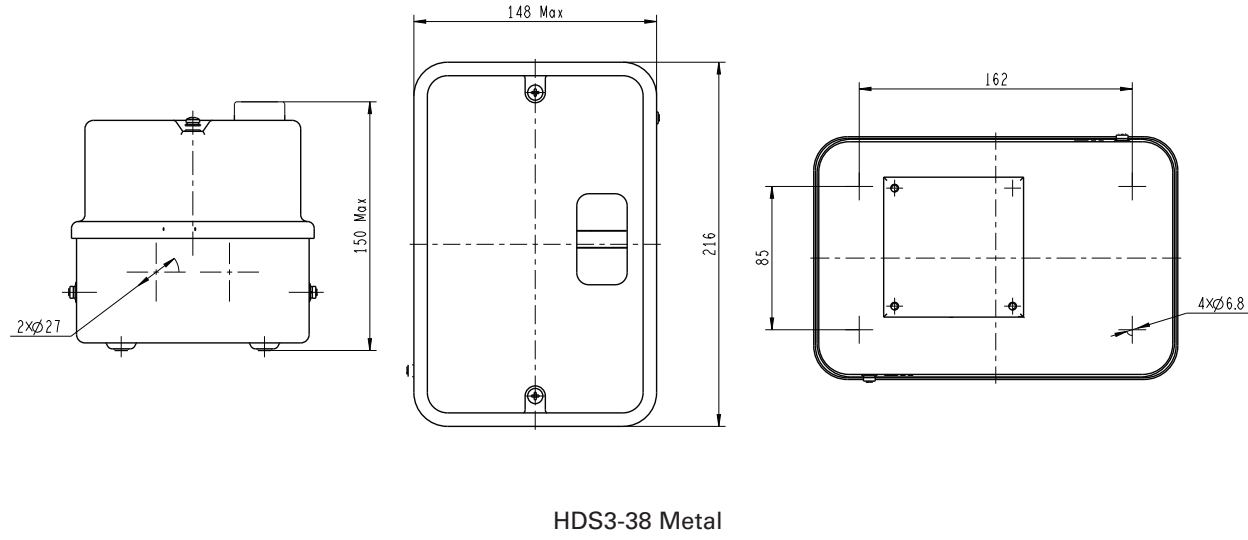
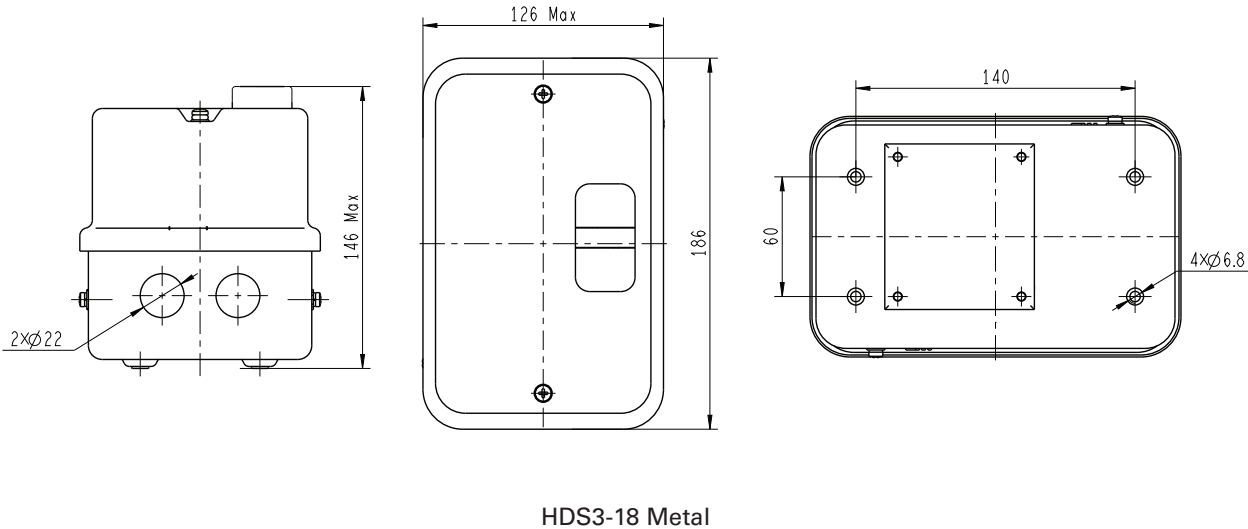
- IP54 Protection level ;
- With better contactor
- and better thermal relay ;
- Better performance ;
- More reliable ;
- RoHS2.0, CE

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Overall Dimension of Installation (mm)

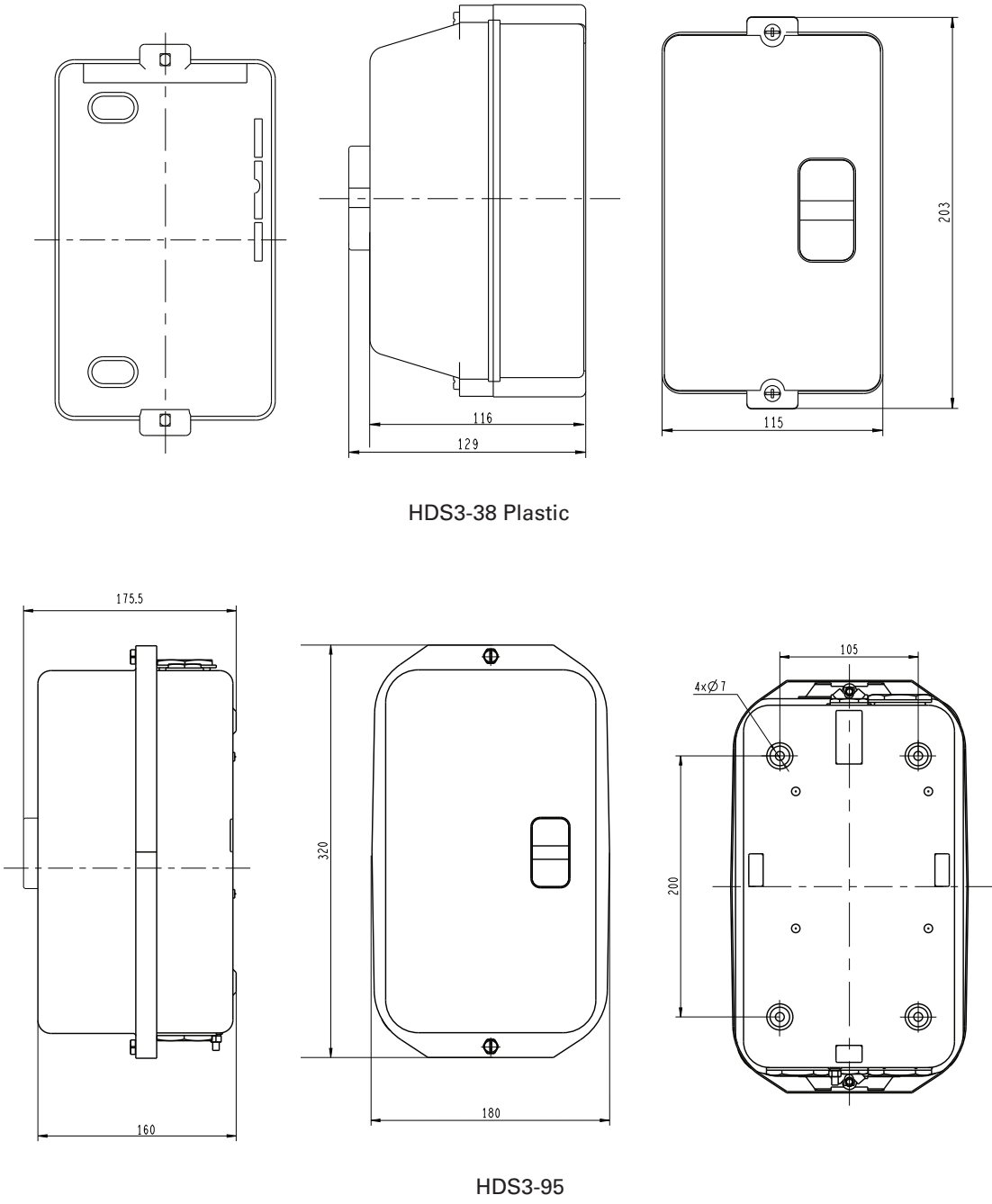


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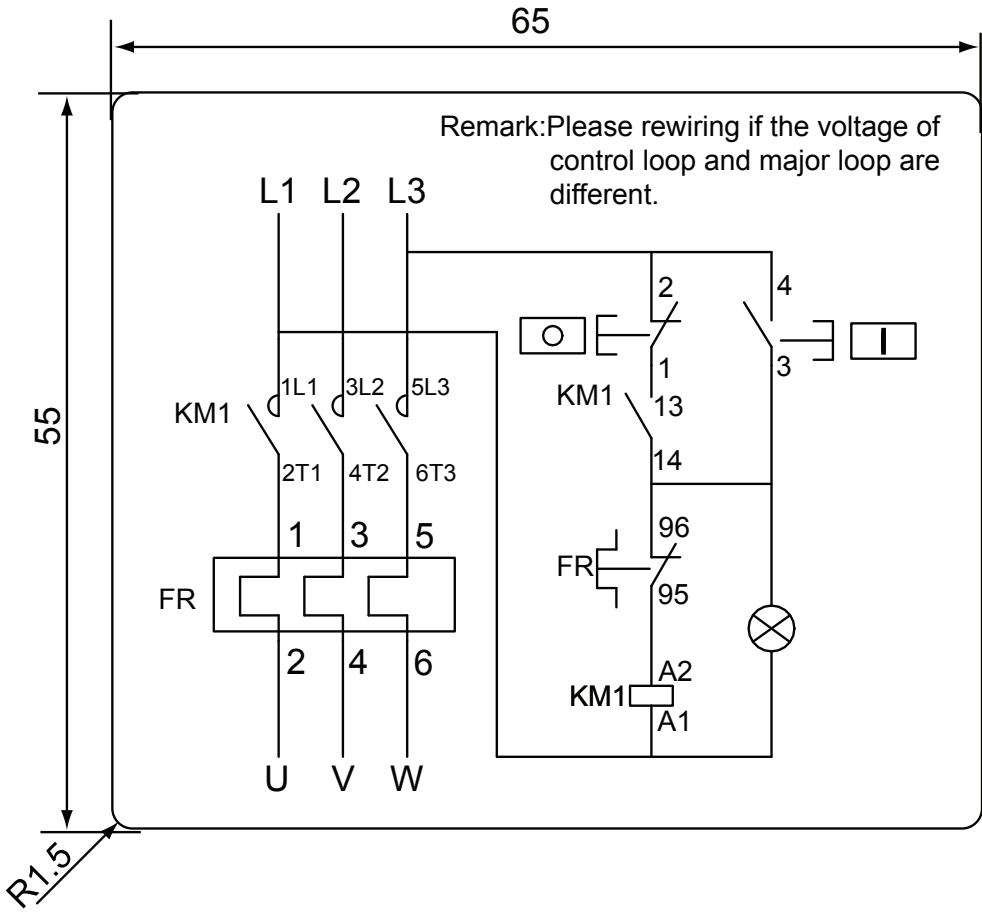


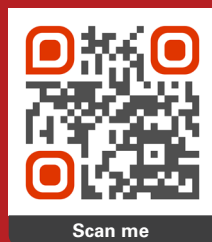
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Wiring Diagram





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