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TAL40 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC or 220 V DC. The contactors can also be used for many other applications such as isolation, capacitor switching, lighting. The TAL... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles, 1 built-in auxiliary contact, front and side-mounted add-on auxiliary contact blocks - Control circuit: DC operated with solid core magnet circuit. The polarity on the coil terminals (A1+ and A2-) must be respected - Accessories: a wide range of accessories is available. TAL... contactors are fitted with low consumption DC coils and offer a large coil voltage range.

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More about TAL40-30-10 77-143V DC Contactor

Technical Specification	
MRP (Indian Rupees)	Not for Retail Sale
Compatibility	TAL Contactors
Max Mechanical Switching Frequency	3600 cycles per hour
Max Electrical Switching Frequency	AC-1 600 cycles per hour, AC-2 / AC-4 300 cycles per hour, AC-3 1200 cycles per hour
Conventional Free-air Thermal Current (Ith)	acc. to IEC 60947-5-1, q = 40 °C 16 ampere, acc. to IEC 60947-4-1, Open Contactors q = 40 °C 65 ampere
Coil Consumption	Holding DC (Umin / Umax) 2.7 / 9 watt, Pull-in DC (Umin / Umax) 2.7 / 9 watt
Terminal Type	Screw Terminals
Rated Operational Voltage	Auxiliary Circuit 690 volt, Main Circuit 690 volt
Operate Time	Between Coil De-energization and NO Contact Opening 12 ... 18 millisecond, Between Coil Energization and NO Contact Closing 55 ... 110 millisecond
Rated Control Circuit Voltage (Uc)	DC Operation 77-143V
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1	8 x Ie AC-3
Rated Operational Power AC-3 (Pe)	(220 / 230 / 240 V) 11 KWT, (380 / 400 V) 18.5 KWT, (415 V) 18.5 KWT, (440 V) 22 KWT, (500 V) 22 KWT, (690 V) 18.5 KWT
Rated Operational Current DC-13 (Ie)	(125 V) 1.1 / 138 ampere, (24 V) 6 A / 144 watt, (250 V) 0.55 / 138 ampere, (48 V) 2.8 A / 134 watt, (72 V) 2 / 144 ampere
Rated Operational Current AC-3 (Ie)	(220 / 230 / 240 V) 55 °C 40 ampere, (380 / 400 V) 55 °C 37 ampere, (415 V) 55 °C 37 ampere, (440 V) 55 °C 37 ampere, (500 V) 55 °C 33 ampere, (690 V) 55 °C 21 ampere
Rated Operational Current AC-15 (Ie)	(220 / 240 V) 4 ampere, (24 / 127 V) 6 ampere, (380 / 440 V) 3 ampere, (500 V) 2 ampere, (690 V) 2 ampere
Rated Operational Current AC-1 (Ie)	(690 V) 40 °C 60 ampere, (690 V) 55 °C 60 ampere, (690 V) 70 °C 42 ampere
Rated Making Capacity AC-3 acc. to IEC 60947-4-1	10 x Ie AC-3
Rated Frequency Limits	25 ... 400 hertz
Rated Frequency (f)	Supply Circuit 50 60 hertz
Number of Aux Contacts NO	1
Package Width	100 millimetre
Package Length	134 millimetre

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Package Height	62 millimetre
Invoice Description	TAL40-30-10 77-143V DC Contactor
Product Range	TAL Contactors
Package Gross Weight	0.85 kilogram
Extended Product Type	TAL40-30-10 77-143V DC
Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 degree Celsius, Close to Contactor without Thermal O/L Relay -40 ... +55 degree Celsius, Close to Contactor Fitted with Thermal O/L Relay -25 ... +55 degree Celsius
Rated Insulation Voltage (Ui)	acc. to UL/CSA 600 volt, acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 volt
Product Class	Block Contactors
Total GST Percentage	18.00
HSN Number	85364900
Country of origin	Bulgaria (BG) - Imported by ABB India Limited

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