Motor starters, selector switches

Manual push-button motor starters of PRK series and accessories

PRK motor-starters of IEK® trade mark are designed for managing and protecting three-phase asynchronous electric motors from overloads, short-circuit and open-phase operating conditions. They combine the functions of a modular circuit breaker serving for motor protection and a manual starter.
These starters are used at industrial sites, agriculture and construction. It is possible to apply them for the local management of separate electric motors as well as residential and administrative building automation.

Application category: AC-3.

Design and technical features of PRK push-button motor-starters meet requirements of Russian and international standards.
According to their constructive and technical features, PRK motor-starters meet the requirements of international standards IEC 60947-4-1, IEC 60947-5-1.

Design Features

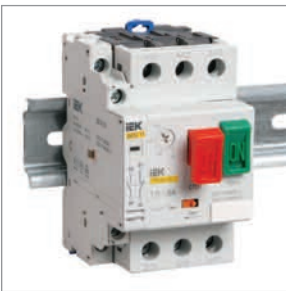PRK32 motor-starter can be locked with a padlock.

Possible joint installation of two DK32 or DK32 and DK/AK32.

Possibility to increase the number of auxiliary contacts.

All parts are protected from direct access.

Saving space and time at the installation. Easy and convenient adjustment of the thermal release setting range. TEST button is intended for checking PRK32 without its connection to the power circuit.

Screw size provides for using one screw driver when dealing with power clamps and control circuit electric terminals.

Auxiliary and emergency contacts joined under one casing DK/AK32.

Protective enclosure with a turn-push button STOP and a transparent safety cover for a START button ensures IP54 protection degree.

RN32 low-voltage release
RM32 undervoltage release
IP54 protective enclosure

RN32 low-voltage release is intended for remote switching PRK32 off.
RM32 undervoltage release is designed for shutting PRK down at lowering of supplying voltage inadmissible for the electric equipment.
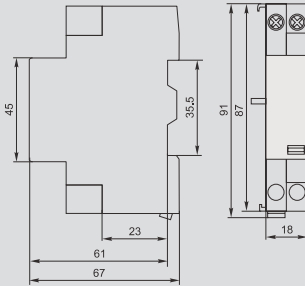Protective enclosure serves for ensuring IP54.

Range

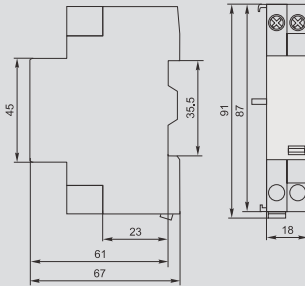|	Name	Operating voltage U_e, V	Package amount		Product ID
			multiple	transport	
	RN32 low-voltage release U_e 110 V IEK	110	2	100	DMS11D-SH110
	RN32 low-voltage release U_e 230 V IEK	230	2	100	DMS11D-SH230
	RN32 low-voltage release U_e 400 V IEK	400	2	100	DMS11D-SH400
	RM32 undervoltage release U_e 110 V IEK	110	2	100	DMS11D-UV110
	RM32 undervoltage release U_e 230 V IEK	230	2	100	DMS11D-UV230
	RM32 undervoltage release U_e 400 V IEK	400	2	100	DMS11D-UV400
	Protective enclosure with "STOP" button IP54 IEK	–	1	20	DMS11D-PC55

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Technical features of RN32 low-voltage release

Features	RN32	RM32
Rated operating voltage U_e, V	110; 230; 400	110; 230; 400
Rated frequency, Hz	50	50
Seal-in voltage, V	–	$(0,85 \div 1,1)U_e$
Tripping voltage, V	$(0,7 \div 1,1)U_e$	$(0,35 \div 0,7)U_e$
Pulse power consumption, max. W	3	0,1
Protection degree	IP20	IP20
Wear-resistance, power cycles min.	10 000	10 000
Cable size, mm²	0,75 ÷ 1,5	0,75 ÷ 1,5
Side of connection to PRK32	right	right
Weight, kg	max. 0,1	max. 0,1

Overall dimensions

RN32

RM32

IP54 protective enclosure