

**Combination Starters (2 Comp. Eco Version) and Reversing Combination Starters
(2 Comp. Eco Version) Catalogue Number Explanation**

190E - K	*	*	*	*	*	*	*	*
191E - K								
1	2	3	4	5	6	7	8	9

Position	Catalogue No. Suffix	Options/Descriptions
1	190E - K 191E - K	Base Catalogue Number of 2 Comp. Starter Type Base Catalogue Number of 2 Comp. Reversing Starter Type
2	M N P	Contacteur Size 100 – K05 for 190E-K; 104 – K05 for 191E-K 100 – K09 for 190E-K; 104 – K09 for 191E-K 100 – K12 for 190E-K; 104 – K12 for 191E-K
3	N	Enclosure Type No enclosure (open type device)
4	Direct indication of the coil voltages on the bobbin (e.g. 24V DC) and an asterisk shown on the label of the contactor and/or various combinations of letters (e.g. KN) shown on the device carton and catalogue	Coil Code of the Contactor (Indicates coil – voltage and – frequency, with and without integrated bi-directional diode or varistor integrated between the coil terminals) AC coil code (conventional coil: 110V50Hz ... 525V50 Hz) AC coil code (conventional coil: 120V60Hz ... 600V60 Hz) AC coil code (conventional coil: 12V50/60Hz ... 415V50/60Hz, double frequency) DC coil code (conventional coil: 9VDC ... 250VDC)
5	1 2 6 8	Auxiliary Contact Configuration of Contactor 1 N.C. (per contactor) 1 N.O. (per contactor) 2 N.O. + 1 N.C. (per contactor) 3 N.O. + 2 N.C. (per contactor)
6	C	Motor Protection Circuit Breaker Frame Size C – Frame (140M-C)
7	A16; A25; A40; A63 B10; B16; B25; B40; B63 C10; C16	Motor Current Adjustment Range Code 0.1A ... 0.63A 0.63A ... 6.3A 6.3A ... 11.5A
8	X A B C D R S	Code for front mount auxiliary and trip indication contact configuration of Motor Protection Circuit Breaker No auxiliary contact; One N.C. auxiliary contact One N.O. auxiliary contact One N.O. and one N.C. auxiliary contact Two N.O. auxiliary contacts One N.O. magnetic and thermal trip indication contact and one N.C. auxiliary contact One N.O. magnetic and thermal trip indication contact and one N.O. auxiliary contact

