

Title (en)

IMPROVED CONTACTOR DEVICE STRUCTURE WITH IMPROVED AUXILIARY SWITCH

Title (de)

VERBESSERTE SCHÜTZVORRICHTUNGSSTRUKTUR MIT VERBESSEITEM HILFSSCHALTER

Title (fr)

STRUCTURE DE DISPOSITIF CONTACTEUR AMÉLIORÉE AVEC AMÉLIORATION DE COMMUTATEUR AUXILIAIRE

Publication

EP 3624156 B1 20220706 (EN)

Application

EP 18194874 A 20180917

Priority

EP 18194874 A 20180917

Abstract (en)

[origin: EP3624156A1] The present invention relates to an improved contactor device (1) structure for industrial or railways applications and comprising at least:- an envelope or housing (2) made by a synthetic plastic material having a predetermined isolation coefficient;- fixed (8, 9) and movable contacts (11, 12) supported and protected by a central internal portion (4) or vane of the envelope or housing (2);- said movable contacts (11, 12) being supported on a moving mechanism (18) activated by a coil slider (21);- an auxiliary switch (15) included in a lateral vane (6) of said envelope or housing (2); and- a top arc chute extinguishing portion (7) covering said fixed (8, 9) and movable contacts (11, 12); wherein- said auxiliary switch (15) is structurally independent and removably inserted in a plug-in manner in said lateral vane (6) of said envelope or housing (2); means (55, 56, 57) being provided to keep said switch (15) in stable position into a corresponding seat (50) of said vane (6).

IPC 8 full level

H01H 9/34 (2006.01); **H01H 50/02** (2006.01); **H01H 50/04** (2006.01); **H01H 50/54** (2006.01)

CPC (source: EP)

H01H 9/34 (2013.01); **H01H 50/021** (2013.01); **H01H 50/041** (2013.01); **H01H 50/545** (2013.01); **H01H 50/045** (2013.01); **H01H 50/443** (2013.01); **H01H 50/644** (2013.01); **H01H 2050/046** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3624156 A1 20200318; **EP 3624156 B1 20220706**; CN 112714940 A 20210427; WO 2020057908 A1 20200326

DOCDB simple family (application)

EP 18194874 A 20180917; CN 201980060862 A 20190827; EP 2019072799 W 20190827