

PRODUCT-DETAILS

GAF75-10-00RT 20-60V DC

GAF75-10-00RT 20-60V DC Contactor



General Information

Extended Product Type	GAF75-10-00RT 20-60V DC
Product ID	1SBL417028R7200
EAN	3471522372321
Catalog Description	GAF75-10-00RT 20-60V DC Contactor

Long Description

GAF75..RT 1-pole contactors comply with the latest railway rolling stock standards and allow installations in passengers or driver cabins for trains frequently operating tunnels or undergrounds. They are mainly used for controlling shunt or series motors and resistive or slightly inductive loads up to 1000 V DC. These contactors are of the block type design with main poles connected in series. – main poles arc chutes fitted with permanent magnets specially designed for DC breaking. The connection polarities must be respected. – shocks and vibration withstand conforming to IEC 61373 (category 1, class B) – fire and smoke safety compliance to european standard EN 45545 (HL2 and HL3 hazard levels) – electronic coil interface accepting a wide DC control voltage range (0.85 Uc min. ... 1.1 Uc max. according to IEC 60947-4-1) including several Uc control voltages (0.7 ... 1.25 Uc according to IEC 60077) used for battery supplies. For AC control supply, please consult your ABB sales representative. – built-in surge suppression – side by side mounting without restriction from -40 °C up to 70 °C – add-on auxiliary contacts blocks for front or side mounting. Same accessory fitting details as AF75..RT 3-pole contactors

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Dimensions

Product Net Width	70 mm
Product Net Depth / Length	116 mm
Product Net Height	118 mm
Product Net Weight	1.05 kg

Technical

Number of Main Contacts NO	3
-------------------------------	---

Standards	IEC/EN 60947-1, IEC/EN 60947-4-1, IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), TR CU 001/2011 (on request), IEC 61373, For compliance confirmation on applicable parts based on your application and combination, please consult your ABB sales representatives.
-----------	--

Rated Operational Current DC-1 (I_e)	(1000 V) 1-Pole, 40 °C 35 A (1000 V) 1-Pole, 55 °C 35 A (1000 V) 1 Pole, 70 °C 35 A (110 V) 1-Pole, 40 °C 120 A (110 V) 1-Pole, 55 °C 100 A (110 V) 1-Pole, 70 °C 85 A (220 V) 1-Pole, 40 °C 120 A (220 V) 1-Pole, 55 °C 100 A (220 V) 1-Pole, 70 °C 85 A (440 V) 1-Pole, 40 °C 100 A (440 V) 1-Pole, 55 °C 100 A (440 V) 1-Pole, 70 °C 85 A (600 V) 1-Pole, 40 °C 75 A (600 V) 1-Pole, 55 °C 75 A (600 V) 1-Pole, 70 °C 75 A (72 V) 1-Pole, 40 °C 120 A (72 V) 1-Pole, 55 °C 100 A (72 V) 1-Pole, 70 °C 85 A
---	--

Rated Operational Current DC-3 (I_e)	(110 V) 1-Pole, 40 °C 120 A (110 V) 1-Pole, 55 °C 100 A (220 V) 1-Pole, 40 °C 100 A (220 V) 1-Pole, 55 °C 100 A (440 V) 1-Pole, 40 °C 85 A (440 V) 1-Pole, 55 °C 85 A (72 V) 1-Pole, 40 °C 120 A (72 V) 1-Pole, 55 °C 100 A
---	--

Rated Operational Current DC-5 (I_e)	(110 V) 1-Pole, 40 °C 85 A (110 V) 1-Pole, 55 °C 85 A (220 V) 1-Pole, 40 °C 85 A (220 V) 1-Pole, 55 °C 85 A (440 V) 1-Pole, 40 °C 35 A (440 V) 1-Pole, 55 °C 35 A (72 V) 1-Pole, 40 °C 85 A (72 V) 1-Pole, 55 °C 85 A
---	--

Rated Control Circuit Voltage (U_c)	DC Operation 20 ... 60 V
--	--------------------------

Terminal Type	Ring-Tongue Terminals
---------------	-----------------------

Technical UL/CSA

General Use Rating UL/CSA	(1000 V DC) 35 A (440 V DC) 100 A (600 V DC) 75 A
------------------------------	---

Environmental

RoHS Status

Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	1SBD250807U1000
-----------------------------------	-----------------

RoHS Information	1SBD250807U1000
------------------	-----------------

Container Information

Package Level 1 Units	box 1 piece
-----------------------	-------------

Package Level 1 Width	140 mm
-----------------------	--------

Package Level 1 Depth / Length	146 mm
-----------------------------------	--------

Package Level 1 Height	96 mm
------------------------	-------

Package Level 1 Gross Weight	1.15 kg
---------------------------------	---------

Package Level 1 EAN	3471522372321
---------------------	---------------

Classifications

ETIM 4	EC002552 - Power contactor, DC switching
--------	--

ETIM 5	EC002552 - Power contactor, DC switching
--------	--

ETIM 6	EC002552 - Power contactor, DC switching
--------	--

ETIM 7	EC002552 - Power contactor, DC switching
--------	--

eClass	V11.0 : 27371018
--------	------------------

UNSPSC	39121529
--------	----------

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors

