

Medium Voltage Equipment 2016 Life Cycle Management for marine version products

Product status

Status	Name	Product	Type	Current status start date	Next shift	Notes
Active ● Equipment: available ● Spare parts: available	HD4	Circuit-breaker	SF6	-	-	1
	VD4	Circuit-breaker	Vacuum	-	-	
	VMAX	Circuit-breaker	Vacuum	-	-	
	V-Contact VSC	Contacto	Vacuum	-	-	
	REF542plus release 3.0	Relay	Digital	-	-	2
	UniGear	Switchgear	AIS	-	-	
	UniSec	Switchgear	AIS	-	-	
Classic ● Equipment: available ● Spare parts: available	HD4/C	Circuit-breaker	SF6	01/09/2011	-	
	V-Contact V	Contacto	Vacuum	01/09/2011	-	
	REF542plus release 2.5	Relay	Digital	01/11/2012	-	3
Limited ● Equipment: not ensured ● Spare parts: available	REF542plus release 2.0 (V4D02x)	Relay	Digital	01/07/2015	-	3
	UniMotor	Switchgear	AIS	-	-	
	UniSafe	Switchgear	AIS	01/01/2006	-	
	Univer C	Switchgear	AIS	-	-	
	Univer G12	Switchgear	AIS	-	-	
Obsolete ● Equipment: not available ● Spare parts: not ensured	DIARC	Circuit-breaker	Magnetic-air	-	-	5
	HA1-2-3	Circuit-breaker	SF6	31/03/1999	-	
	H-Breaking	Circuit-breaker	SF6	-	-	
	SFA	Circuit-breaker	SF6	-	-	
	VRB	Circuit-breaker	Vacuum	-	-	
	SRC	Contacto	SF6	01/04/2012	-	
	VRC	Contacto	Vacuum	31/03/1999	-	
	REF542plus release 1.x	Relay	Digital	-	-	
	REF542	Relay	Digital	01/01/2010	-	
	SCU	Relay	Digital	01/01/2010	-	
	UniArc	Switchgear	AIS	01/07/2015	-	

Notes:

1. All variants with exception of HD4/C which are Classic
2. DNV Type approval in force
3. DNV Type approval expired in 2009
4. Replacement of enclosure manufactured after 1985 is available
5. Circuit breakers manufactured before 1984 include asbestos components inside the arc-chutes

Obsolete products

Spare parts and retrofit solutions availability

Spare parts have been categorized into groups as per the following:

- Poles: assembly parts in which main interruptive components are installed in
- Mechanism: operating mechanism which drives the interruptive parts
- Auxiliary equipment: LV equipment onboard the operating mechanism (spring charging motor, coils, magnets, contacts, etc.)
- Tulip contacts: moving contacts onboard the apparatus arms
- Complete device: for those products which cannot be split into sub-assemblies
- Monoblocs: spouts, shutters and branches
- Earthing switch: earthing switch and relevant accessories
- Line disconnecter: line disconnecter and relevant accessories
- LV compartment devices: protection relay, auxiliary relays, MCB and terminal board

This chart gives an overview of the currently available spare parts in our stock and retrofit solutions for replacing phased-out equipment with active products. Spare parts in “Not ensured” status could become “Not available” during the year depending on requests. Please contact ABB for checking availability.

Obsolete products			Active products	Spare parts					Notes
Name	Product	Type	Retrofit solution	Poles	Mechanism	Auxiliary equipment	Tulip contacts	Complete device	
DIARC	Circuit-breaker	Magnetic-air	HD4, VD4	Not available	Not available	Not available	Not available	Not available	1,4
HA1-2-3	Circuit-breaker	SF6	HD4, VD4	Not available	Not available	Not available	Not available	Not available	
H-Breaking	Circuit-breaker	SF6	HD4, VD4	Not available	Not available	Not available	Not available	Not available	
SFA	Circuit-breaker	SF6	HD4, VD4	Not available	Not available	Not available	Not available	Not available	
VRB	Circuit-breaker	Vacuum	HD4, VD4	Not available	Not available	Not available	Not available	Not available	2
SRC	Contacto	SF6	V-Contact VSC-SRC Retrofit	Not available	Not available	Not available	Not available	Not available	3
VRC	Contacto	Vacuum	V-Contact family	Not available	Not available	Not available	Available	Not available	1,3
REF542plus release 1.x	Relay	Digital	REF542plus release 3.0, Relion® family	Not available	Not available	Not available	Not available	Not available	3
REF542	Relay	Digital	REF542plus release 3.0, Relion® family	Not available	Not available	Not available	Not available	Not available	3
SCU	Relay	Digital	REF542plus release 3.0, Relion® family	Not available	Not available	Not available	Not available	Not available	3

Obsolete products			Active products	Spare parts					Notes
Name	Product	Type	Retrofit solution	Monoblocs	Earthing switch	Line disconnecter	LV compartment devices	Circuit breaker or retrofit solution	
UniArc	Switchgear	AIS	UniGear	Not available	Not available	n.a.	Not available	Not available	3

Notes:

1. Arc chambers are not available
2. Vacuum interrupters are not available
3. Replacement with site adaptations
4. AE mechanism and its components are not available

Not available	Not available
Not ensured	Not ensured
Available	Available

For more information please visit our website www.abb.com/ mediumvoltage selecting Service or contact Service Center at:

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This Service center is responsible for:

- All designed and manufactured medium voltage products with SACE logo
- Retrofit apparatus for replacing ABB HPA gas insulated circuit breakers designed and manufactured by ABB Sweden for fitting SafeSix switchgear

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