

7SR220 Directional Relay

MICS

(Model Implementation Conformance Statement)

(Software Version 2435H85009R7a-7a)

Description of the IEC61850 device mapping.

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Software Revision History

2011/05	2435H85009R7a-7a	First Release
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1. REYROLLE 7SR220 – IEC61850

1.1 Function - Device

Reyrolle 7SR220	DOI	DA Group
ProtectionHealthy		
	PROT.LLN0 PROT.Health	stVal
	PROT.LPHD1 PROT.PhyHealth	stVal
	PROT.PTRC1.Health	stVal
	PROT.A51PTOC1.Health	stVal
	PROT.A51PTOC2.Health	stVal
	PROT.A51PTOC3.Health	stVal
	PROT.A51PTOC4.Health	stVal
	PROT.A50PTOC1.Health	stVal
	PROT.A50PTOC2.Health	stVal
	PROT.A50PTOC3.Health	stVal
	PROT.A50PTOC4.Health	stVal
	PROT.A51nPTOC1.Health	stVal
	PROT.A51nPTOC2.Health	stVal
	PROT.A51nPTOC3.Health	stVal
	PROT.A51nPTOC4.Health	stVal
	PROT.A50nPTOC1.Health	stVal
	PROT.A50nPTOC2.Health	stVal
	PROT.A50nPTOC3.Health	stVal
	PROT.A50nPTOC4.Health	stVal
	PROT.A51gPTOC1.Health	stVal
	PROT.A51gPTOC2.Health	stVal
	PROT.A51gPTOC3.Health	stVal
	PROT.A51gPTOC4.Health	stVal
	PROT.A50gPTOC1.Health	stVal
	PROT.A50gPTOC2.Health	stVal
	PROT.A50gPTOC3.Health	stVal
	PROT.A50gPTOC4.Health	stVal
	PROT.A51SefPTOC1.Health	stVal
	PROT.A51SefPTOC2.Health	stVal
	PROT.A51SefPTOC3.Health	stVal
	PROT.A51SefPTOC4.Health	stVal
	PROT.A50SefPTOC1.Health	stVal
	PROT.A50SefPTOC2.Health	stVal
	PROT.A50SefPTOC3.Health	stVal
	PROT.A50SefPTOC4.Health	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A64hPTOC1.Health	stVal
	PROT.A46ltPTOC1.Health	stVal
	PROT.A46DtPTOC1.Health	stVal
	PROT.A37PTUC1.Health	stVal
	PROT.A37PTUC2.Health	stVal
	PROT.A37gPTUC1.Health	stVal
	PROT.A37gPTUC2.Health	stVal
	PROT.A37SefPTUC1.Health	stVal
	PROT.A37SefPTUC2.Health	stVal
	PROT.A49PTTR1.Health	stVal
	PROT.A2759PTOV1.Health	stVal
	PROT.A2759PTUV1.Health	stVal
	PROT.A2759PTOV2.Health	stVal
	PROT.A2759PTUV2.Health	stVal
	PROT.A2759PTOV3.Health	stVal
	PROT.A2759PTUV3.Health	stVal
	PROT.A2759PTOV4.Health	stVal
	PROT.A2759PTUV4.Health	stVal
	PROT.A2759PTOV5.Health	stVal
	PROT.A2759PTUV5.Health	stVal
	PROT.A47PTOV1.Health	stVal
	PROT.A47PTOV2.Health	stVal
	PROT.A59nltPTOV1.Health	stVal
	PROT.A59nDtPTOV1.Health	stVal
	PROT.A81PTOF1.Health	stVal
	PROT.A81PTUF1.Health	stVal
	PROT.A81PTOF2.Health	stVal
	PROT.A81PTUF2.Health	stVal
	PROT.A81PTOF3.Health	stVal
	PROT.A81PTUF3.Health	stVal
	PROT.A81PTOF4.Health	stVal
	PROT.A81PTUF4.Health	stVal
	PROT.A81PTOF5.Health	stVal
	PROT.A81PTUF5.Health	stVal
	PROT.A81PTOF6.Health	stVal
	PROT.A81PTUF6.Health	stVal
	MEAS.LLN0 MEAS.Health	stVal
	MEAS.LPHD1 MEAS.PhyHealth	stVal
	MEAS.MMXU1.Health	stVal
	CTRL.LLN0 CTRL.Health	stVal
	CTRL.LPHD1 CTRL.PhyHealth	stVal

Reyrolle 7SR220	DOI	DA Group
	CTRL.Q0CSWI1.Health	stVal
	CTRL.Q0CSWI1.Mod	stVal
	CTRL.Q0CSWI1.Beh	stVal
	CTRL.Q0XCBR1.Health	stVal
	CTRL.Q0XCBR1.Mod	stVal
	CTRL.Q0XCBR1.Beh	stVal
	CTRL.Q0CILO1.Health	stVal
	CTRL.Q0CILO1.Mod	stVal
	CTRL.Q0CILO1.Beh	stVal
	CTRL.BI13GGIO1.Health	stVal
	CTRL.BO14GGIO1.Health	stVal
	CTRL.L16GGIO1.Health	stVal
	CTRL.E16GGIO1.Health	stVal
	CTRL.V16GGIO1.Health	stVal
	CTRL.SPi64GGIO1.Health	stVal
	CTRL.SP032GGIO1.Health	stVal
	CTRL.SPDOnsGGIO1.Health	stVal
	CTRL.SPDOnsGGIO2.Health	stVal
	CTRL.SPDOnsGGIO3.Health	stVal
	CTRL.SPDOnsGGIO4.Health	stVal
	CTRL.SPDOesGGIO1.Health	stVal
	CTRL.SPDOesGGIO2.Health	stVal
	CTRL.SPDOesGGIO3.Health	stVal
	CTRL.SPDOesGGIO4.Health	stVal
	CTRL.DPDOnsGGIO1.Health	stVal
	CTRL.DPDOnsGGIO2.Health	stVal
	CTRL.DPDOnsGGIO3.Health	stVal
	CTRL.DPDOnsGGIO4.Health	stVal
	CTRL.DPDOesGGIO1.Health	stVal
	CTRL.DPDOesGGIO2.Health	stVal
	CTRL.DPDOesGGIO3.Health	stVal
	CTRL.DPDOesGGIO4.Health	stVal
	CTRL.DPi8GGIO1.Health	stVal
	CTRL.DPi8GGIO2.Health	stVal
	CTRL.DPo8GGIO1.Health	stVal
	CTRL.DPo8GGIO2.Health	stVal
	DR.LLN0 DR.Health	stVal
	DR.LPHD1 DR.PhyHealth	stVal
	DR.RDRE1.Health	stVal
MLFB Number		
	PROT.LPHD1 PROT.PhyNam	model

Reyrolle 7SR220	DOI	DA Group
	MEAS.LPHD1 MEAS.PhyNam	model
	DR.LPHD1 DR.PhyNam	model
	CTRL.LPHD1 CTRL.PhyNam	model
Serial Number		
	PROT.LPHD1 PROT.PhyNam	serNum
	MEAS.LPHD1 MEAS.PhyNam	serNum
	DR.LPHD1 DR.PhyNam	serNum
	CTRL.LPHD1 CTRL.PhyNam	serNum
Software Revision		
	PROT.LPHD1 PROT.PhyNam	swRev
	MEAS.LPHD1 MEAS.PhyNam	swRev
	DR.LPHD1 DR.PhyNam	swRev
	CTRL.LPHD1 CTRL.PhyNam	swRev
Vendor Name		
	PROT.LPHD1 PROT.PhyNam	vendor
	MEAS.LPHD1 MEAS.PhyNam	vendor
	DR.LPHD1 DR.PhyNam	vendor
	CTRL.LPHD1 CTRL.PhyNam	vendor
Num 61850 Controllable Setting Groups		
	PROT.LLN0 PROT.SGCB	NumOfSG
Active Setting Group		
	PROT.LLN0 PROT.SGCB	ActSG
Phase Overcurrent Enabled		
	PROT.A51PTOC1.Mod	stVal
	PROT.A51PTOC1.Beh	stVal
	PROT.A51PTOC2.Mod	stVal
	PROT.A51PTOC2.Beh	stVal
	PROT.A51PTOC3.Mod	stVal
	PROT.A51PTOC3.Beh	stVal
	PROT.A51PTOC4.Mod	stVal
	PROT.A51PTOC4.Beh	stVal
	PROT.A50PTOC1.Mod	stVal
	PROT.A50PTOC1.Beh	stVal
	PROT.A50PTOC2.Mod	stVal
	PROT.A50PTOC2.Beh	stVal
	PROT.A50PTOC3.Mod	stVal
	PROT.A50PTOC3.Beh	stVal
	PROT.A50PTOC4.Mod	stVal
	PROT.A50PTOC4.Beh	stVal
51-1 Enabled		
	PROT.A51PTOC1.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A51PTOC1.Beh	stVal
Inhibit 51-1		
	PROT.A51PTOC1.Mod	stVal
	PROT.A51PTOC1.Beh	stVal
51-1 PhA Pickup		
	PROT.A51PTOC1.Str	general (3-pole)
51-1 PhA Dir Pickup		
	PROT.A51PTOC1.Str	dirGeneral (3-pole)
51-1 PhA Pickup		
	PROT.A51PTOC1.Str	phsA (L1)
51-1 PhA Dir Pickup		
	PROT.A51PTOC1.Str	dirPhsA (L1)
51-1 PhB Pickup		
	PROT.A51PTOC1.Str	general (3-pole)
51-1 PhB Dir Pickup		
	PROT.A51PTOC1.Str	dirGeneral (3-pole)
51-1 PhB Pickup		
	PROT.A51PTOC1.Str	phsB (L2)
51-1 PhB Dir Pickup		
	PROT.A51PTOC1.Str	dirPhsB (L2)
51-1 PhC Pickup		
	PROT.A51PTOC1.Str	general (3-pole)
51-1 PhC Dir Pickup		
	PROT.A51PTOC1.Str	dirGeneral (3-pole)
51-1 PhC Pickup		
	PROT.A51PTOC1.Str	phsC (L3)
51-1 PhC Dir Pickup		
	PROT.A51PTOC1.Str	dirPhsC (L3)
51-1 Operated		
	PROT.A51PTOC1.Op	general (3-pole)
51-2Enabled		
	PROT.A51PTOC2.Mod	stVal
	PROT.A51PTOC2.Beh	stVal
Inhibit 51-2		
	PROT.A51PTOC2.Mod	stVal
	PROT.A51PTOC2.Beh	stVal
51-2 PhA Pickup		
	PROT.A51PTOC2.Str	general (3-pole)
51-2 PhA Dir Pickup		
	PROT.A51PTOC2.Str	dirGeneral (3-pole)
51-2 PhA Pickup		

Reyrolle 7SR220	DOI	DA Group
	PROT.A51PTOC2.Str	phsA (L1)
51-2 PhA Dir Pickup		
	PROT.A51PTOC2.Str	dirPhsA (L1)
51-2 PhB Pickup		
	PROT.A51PTOC2.Str	general (3-pole)
51-2 PhB Dir Pickup		
	PROT.A51PTOC2.Str	dirGeneral (3-pole)
51-2 PhB Pickup		
	PROT.A51PTOC2.Str	phsB (L2)
51-2 PhB Dir Pickup		
	PROT.A51PTOC2.Str	dirPhsB (L2)
51-2 PhC Pickup		
	PROT.A51PTOC2.Str	general (3-pole)
51-2 PhC Dir Pickup		
	PROT.A51PTOC2.Str	dirGeneral (3-pole)
51-2 PhC Pickup		
	PROT.A51PTOC2.Str	phsC (L3)
51-2 PhC Dir Pickup		
	PROT.A51PTOC2.Str	dirPhsC (L3)
51-2 Operated		
	PROT.A51PTOC2.Op	general (3-pole)
51-3 Enabled		
	PROT.A51PTOC3.Mod	stVal
	PROT.A51PTOC3.Beh	stVal
Inhibit 51-3		
	PROT.A51PTOC3.Mod	stVal
	PROT.A51PTOC3.Beh	stVal
51-3 PhA Pickup		
	PROT.A51PTOC3.Str	general (3-pole)
51-3 PhA Dir Pickup		
	PROT.A51PTOC3.Str	dirGeneral (3-pole)
51-3 PhA Pickup		
	PROT.A51PTOC3.Str	phsA (L1)
51-3 PhA Dir Pickup		
	PROT.A51PTOC3.Str	dirPhsA (L1)
51-3 PhB Pickup		
	PROT.A51PTOC3.Str	general (3-pole)
51-3 PhB Dir Pickup		
	PROT.A51PTOC3.Str	dirGeneral (3-pole)
51-3 PhB Pickup		
	PROT.A51PTOC3.Str	phsB (L2)

Reyrolle 7SR220	DOI	DA Group
51-3 PhB Dir Pickup		
	PROT.A51PTOC3.Str	dirPhsB (L2)
51-3 PhC Pickup		
	PROT.A51PTOC3.Str	general (3-pole)
51-3 PhC Dir Pickup		
	PROT.A51PTOC3.Str	dirGeneral (3-pole)
51-3 PhC Pickup		
	PROT.A51PTOC3.Str	phsC (L3)
51-3 PhC Dir Pickup		
	PROT.A51PTOC3.Str	dirPhsC (L3)
51-3 Operated		
	PROT.A51PTOC3.Op	general (3-pole)
51-4 Enabled		
	PROT.A51PTOC4.Mod	stVal
	PROT.A51PTOC4.Beh	stVal
Inhibit 51-4		
	PROT.A51PTOC4.Mod	stVal
	PROT.A51PTOC4.Beh	stVal
51-4 PhA Pickup		
	PROT.A51PTOC4.Str	general (3-pole)
51-4 PhA Dir Pickup		
	PROT.A51PTOC4.Str	dirGeneral (3-pole)
51-4 PhA Pickup		
	PROT.A51PTOC4.Str	phsA (L1)
51-4 PhA Dir Pickup		
	PROT.A51PTOC4.Str	dirPhsA (L1)
51-4 PhB Pickup		
	PROT.A51PTOC4.Str	general (3-pole)
51-4 PhB Dir Pickup		
	PROT.A51PTOC4.Str	dirGeneral (3-pole)
51-4 PhB Pickup		
	PROT.A51PTOC4.Str	phsB (L2)
51-4 PhB Dir Pickup		
	PROT.A51PTOC4.Str	dirPhsB (L2)
51-4 PhC Pickup		
	PROT.A51PTOC4.Str	general (3-pole)
51-4 PhC Dir Pickup		
	PROT.A51PTOC4.Str	dirGeneral (3-pole)
51-4 PhC Pickup		
	PROT.A51PTOC4.Str	phsC (L3)
51-4 PhC Dir Pickup		

Reyrolle 7SR220	DOI	DA Group
	PROT.A51PTOC4.Str	dirPhsC (L3)
51-4 Operated		
	PROT.A51PTOC4.Op	general (3-pole)
50-1 Enabled		
	PROT.A50PTOC1.Mod	stVal
	PROT.A50PTOC1.Beh	stVal
Inhibit 50-1		
	PROT.A50PTOC1.Mod	stVal
	PROT.A50PTOC1.Beh	stVal
50-1 PhA Pickup		
	PROT.A50PTOC1.Str	general (3-pole)
50-1 PhA Dir Pickup		
	PROT.A50PTOC1.Str	dirGeneral (3-pole)
50-1 PhA Pickup		
	PROT.A50PTOC1.Str	phsA (L1)
50-1 PhA Dir Pickup		
	PROT.A50PTOC1.Str	dirPhsA (L1)
50-1 PhB Pickup		
	PROT.A50PTOC1.Str	general (3-pole)
50-1 PhB Dir Pickup		
	PROT.A50PTOC1.Str	dirGeneral (3-pole)
50-1 PhB Pickup		
	PROT.A50PTOC1.Str	phsB (L2)
50-1 PhB Dir Pickup		
	PROT.A50PTOC1.Str	dirPhsB (L2)
50-1 PhC Pickup		
	PROT.A50PTOC1.Str	general (3-pole)
50-1 PhC Dir Pickup		
	PROT.A50PTOC1.Str	dirGeneral (3-pole)
50-1 PhC Pickup		
	PROT.A50PTOC1.Str	phsC (L3)
50-1 PhC Dir Pickup		
	PROT.A50PTOC1.Str	dirPhsC (L3)
50-1 Operated		
	PROT.A50PTOC1.Op	general (3-pole)
50-2 Enabled		
	PROT.A50PTOC2.Mod	stVal
	PROT.A50PTOC2.Beh	stVal
Inhibit 50-2		
	PROT.A50PTOC2.Mod	stVal
	PROT.A50PTOC2.Beh	stVal

Reyrolle 7SR220	DOI	DA Group
50-2 PhA Pickup		
	PROT.A50PTOC2.Str	general (3-pole)
50-2 PhA Dir Pickup		
	PROT.A50PTOC2.Str	dirGeneral (3-pole)
50-2 PhA Pickup		
	PROT.A50PTOC2.Str	phsA (L1)
50-2 PhA Dir Pickup		
	PROT.A50PTOC2.Str	dirPhsA (L1)
50-2 PhB Pickup		
	PROT.A50PTOC2.Str	general (3-pole)
50-2 PhB Dir Pickup		
	PROT.A50PTOC2.Str	dirGeneral (3-pole)
50-2 PhB Pickup		
	PROT.A50PTOC2.Str	phsB (L2)
50-2 PhB Dir Pickup		
	PROT.A50PTOC2.Str	dirPhsB (L2)
50-2 PhC Pickup		
	PROT.A50PTOC2.Str	general (3-pole)
50-2 PhC Dir Pickup		
	PROT.A50PTOC2.Str	dirGeneral (3-pole)
50-2 PhC Pickup		
	PROT.A50PTOC2.Str	phsC (L3)
50-2 PhC Dir Pickup		
	PROT.A50PTOC2.Str	dirPhsC (L3)
50-2 Operated		
	PROT.A50PTOC2.Op	general (3-pole)
50-3 Enabled		
	PROT.A50PTOC3.Mod	stVal
	PROT.A50PTOC3.Beh	stVal
Inhibit 50-3		
	PROT.A50PTOC3.Mod	stVal
	PROT.A50PTOC3.Beh	stVal
50-3 PhA Pickup		
	PROT.A50PTOC3.Str	general (3-pole)
50-3 PhA Dir Pickup		
	PROT.A50PTOC3.Str	dirGeneral (3-pole)
50-3 PhA Pickup		
	PROT.A50PTOC3.Str	phsA (L1)
50-3 PhA Dir Pickup		
	PROT.A50PTOC3.Str	dirPhsA (L1)
50-3 PhB Pickup		

Reyrolle 7SR220	DOI	DA Group
	PROT.A50PTOC3.Str	general (3-pole)
50-3 PhB Dir Pickup		
	PROT.A50PTOC3.Str	dirGeneral (3-pole)
50-3 PhB Pickup		
	PROT.A50PTOC3.Str	phsB (L2)
50-3 PhB Dir Pickup		
	PROT.A50PTOC3.Str	dirPhsB (L2)
50-3 PhC Pickup		
	PROT.A50PTOC3.Str	general (3-pole)
50-3 PhC Dir Pickup		
	PROT.A50PTOC3.Str	dirGeneral (3-pole)
50-3 PhC Pickup		
	PROT.A50PTOC3.Str	phsC (L3)
50-3 PhC Dir Pickup		
	PROT.A50PTOC3.Str	dirPhsC (L3)
50-3 Operated		
	PROT.A50PTOC3.Op	general (3-pole)
50-4 Enabled		
	PROT.A50PTOC4.Mod	stVal
	PROT.A50PTOC4.Beh	stVal
Inhibit 50-4		
	PROT.A50PTOC4.Mod	stVal
	PROT.A50PTOC4.Beh	stVal
50-4 PhA Pickup		
	PROT.A50PTOC4.Str	general (3-pole)
50-4 PhA Dir Pickup		
	PROT.A50PTOC4.Str	dirGeneral (3-pole)
50-4 PhA Pickup		
	PROT.A50PTOC4.Str	phsA (L1)
50-4 PhA Dir Pickup		
	PROT.A50PTOC4.Str	dirPhsA (L1)
50-4 PhB Pickup		
	PROT.A50PTOC4.Str	general (3-pole)
50-4 PhB Dir Pickup		
	PROT.A50PTOC4.Str	dirGeneral (3-pole)
50-4 PhB Pickup		
	PROT.A50PTOC4.Str	phsB (L2)
50-4 PhB Dir Pickup		
	PROT.A50PTOC4.Str	dirPhsB (L2)
50-4 PhC Pickup		
	PROT.A50PTOC4.Str	general (3-pole)

Reyrolle 7SR220	DOI	DA Group
50-4 PhC Dir Pickup		
	PROT.A50PTOC4.Str	dirGeneral (3-pole)
50-4 PhC Pickup		
	PROT.A50PTOC4.Str	phsC (L3)
50-4 PhC Dir Pickup		
	PROT.A50PTOC4.Str	dirPhsC (L3)
50-4 Operated		
	PROT.A50PTOC4.Op	general (3-pole)
Derived E/F Enabled		
	PROT.A51nPTOC1.Mod	stVal
	PROT.A51nPTOC1.Beh	stVal
	PROT.A51nPTOC2.Mod	stVal
	PROT.A51nPTOC2.Beh	stVal
	PROT.A51nPTOC3.Mod	stVal
	PROT.A51nPTOC3.Beh	stVal
	PROT.A51nPTOC4.Mod	stVal
	PROT.A51nPTOC4.Beh	stVal
	PROT.A50nPTOC1.Mod	stVal
	PROT.A50nPTOC1.Beh	stVal
	PROT.A50nPTOC2.Mod	stVal
	PROT.A50nPTOC2.Beh	stVal
	PROT.A50nPTOC3.Mod	stVal
	PROT.A50nPTOC3.Beh	stVal
	PROT.A50nPTOC4.Mod	stVal
	PROT.A50nPTOC4.Beh	stVal
51N-1 Enabled		
	PROT.A51nPTOC1.Mod	stVal
	PROT.A51nPTOC1.Beh	stVal
Inhibit 51N-1		
	PROT.A51nPTOC1.Mod	stVal
	PROT.A51nPTOC1.Beh	stVal
51N-1 Pickup		
	PROT.A51nPTOC1.Str	general
51N-1 Dir Pickup		
	PROT.A51nPTOC1.Str	dirGeneral
51N-1 Operated		
	PROT.A51nPTOC1.Op	general
51N-2 Enabled		
	PROT.A51nPTOC2.Mod	stVal
	PROT.A51nPTOC2.Beh	stVal
Inhibit 51N-2		

Reyrolle 7SR220	DOI	DA Group
	PROT.A51nPTOC2.Mod	stVal
	PROT.A51nPTOC2.Beh	stVal
51N-2 Pickup		
	PROT.A51nPTOC2.Str	general
51N-2 Dir Pickup		
	PROT.A51nPTOC2.Str	dirGeneral
51N-2 Operated		
	PROT.A51nPTOC2.Op	general
51N-3 Enabled		
	PROT.A51nPTOC3.Mod	stVal
	PROT.A51nPTOC3.Beh	stVal
Inhibit 51N-3		
	PROT.A51nPTOC3.Mod	stVal
	PROT.A51nPTOC3.Beh	stVal
51N-3 Pickup		
	PROT.A51nPTOC3.Str	general
51N-3 Dir Pickup		
	PROT.A51nPTOC3.Str	dirGeneral
51N-3 Operated		
	PROT.A51nPTOC3.Op	general
51N-4 Enabled		
	PROT.A51nPTOC4.Mod	stVal
	PROT.A51nPTOC4.Beh	stVal
Inhibit 51N-4		
	PROT.A51nPTOC4.Mod	stVal
	PROT.A51nPTOC4.Beh	stVal
51N-4 Pickup		
	PROT.A51nPTOC4.Str	general
51N-4 Dir Pickup		
	PROT.A51nPTOC4.Str	dirGeneral
51N-4 Operated		
	PROT.A51nPTOC4.Op	general
50N-1 Enabled		
	PROT.A50nPTOC1.Mod	stVal
	PROT.A50nPTOC1.Beh	stVal
Inhibit 50N-1		
	PROT.A50nPTOC1.Mod	stVal
	PROT.A50nPTOC1.Beh	stVal
50N-1 Pickup		
	PROT.A50nPTOC1.Str	general
50N-1 Dir Pickup		

Reyrolle 7SR220	DOI	DA Group
	PROT.A50nPTOC1.Str	dirGeneral
50N-1 Operated		
	PROT.A50nPTOC1.Op	general
50N-2 Enabled		
	PROT.A50nPTOC2.Mod	stVal
	PROT.A50nPTOC2.Beh	stVal
Inhibit 50N-2		
	PROT.A50nPTOC2.Mod	stVal
	PROT.A50nPTOC2.Beh	stVal
50N-2 Pickup		
	PROT.A50nPTOC2.Str	general
50N-2 Dir Pickup		
	PROT.A50nPTOC2.Str	dirGeneral
50N-2 Operated		
	PROT.A50nPTOC2.Op	general
50N-3 Enabled		
	PROT.A50nPTOC3.Mod	stVal
	PROT.A50nPTOC3.Beh	stVal
Inhibit 50N-3		
	PROT.A50nPTOC3.Mod	stVal
	PROT.A50nPTOC3.Beh	stVal
50N-3 Pickup		
	PROT.A50nPTOC3.Str	general
50N-3 Dir Pickup		
	PROT.A50nPTOC3.Str	dirGeneral
50N-3 Operated		
	PROT.A50nPTOC3.Op	general
50N-4 Enabled		
	PROT.A50nPTOC4.Mod	stVal
	PROT.A50nPTOC4.Beh	stVal
Inhibit 50N-4		
	PROT.A50nPTOC4.Mod	stVal
	PROT.A50nPTOC4.Beh	stVal
50N-4 Pickup		
	PROT.A50nPTOC4.Str	general
50N-4 Dir Pickup		
	PROT.A50nPTOC4.Str	dirGeneral
50N-4 Operated		
	PROT.A50nPTOC4.Op	general
Measured E/F Enabled		
	PROT.A51gPTOC1.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A51gPTOC1.Beh	stVal
	PROT.A51gPTOC2.Mod	stVal
	PROT.A51gPTOC2.Beh	stVal
	PROT.A51gPTOC3.Mod	stVal
	PROT.A51gPTOC3.Beh	stVal
	PROT.A51gPTOC4.Mod	stVal
	PROT.A51gPTOC4.Beh	stVal
	PROT.A50gPTOC1.Mod	stVal
	PROT.A50gPTOC1.Beh	stVal
	PROT.A50gPTOC2.Mod	stVal
	PROT.A50gPTOC2.Beh	stVal
	PROT.A50gPTOC3.Mod	stVal
	PROT.A50gPTOC3.Beh	stVal
	PROT.A50gPTOC4.Mod	stVal
	PROT.A50gPTOC4.Beh	stVal
51G-1 Enabled		
	PROT.A51gPTOC1.Mod	stVal
	PROT.A51gPTOC1.Beh	stVal
Inhibit 51G-1		
	PROT.A51gPTOC1.Mod	stVal
	PROT.A51gPTOC1.Beh	stVal
51G-1 Pickup		
	PROT.A51gPTOC1.Str	general
51G-1 Dir Pickup		
	PROT.A51gPTOC1.Str	dirGeneral
51G-1 Operated		
	PROT.A51gPTOC1.Op	general
51G-2 Enabled		
	PROT.A51gPTOC2.Mod	stVal
	PROT.A51gPTOC2.Beh	stVal
Inhibit 51G-2		
	PROT.A51gPTOC2.Mod	stVal
	PROT.A51gPTOC2.Beh	stVal
51G-2 Pickup		
	PROT.A51gPTOC2.Str	general
51G-2 Dir Pickup		
	PROT.A51gPTOC2.Str	dirGeneral
51G-2 Operated		
	PROT.A51gPTOC2.Op	general
51G-3 Enabled		
	PROT.A51gPTOC3.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A51gPTOC3.Beh	stVal
Inhibit 51G-3		
	PROT.A51gPTOC3.Mod	stVal
	PROT.A51gPTOC3.Beh	stVal
51G-3 Pickup		
	PROT.A51gPTOC3.Str	general
51G-3 Dir Pickup		
	PROT.A51gPTOC3.Str	dirGeneral
51G-3 Operated		
	PROT.A51gPTOC3.Op	general
51G-4 Enabled		
	PROT.A51gPTOC4.Mod	stVal
	PROT.A51gPTOC4.Beh	stVal
Inhibit 51G-4		
	PROT.A51gPTOC4.Mod	stVal
	PROT.A51gPTOC4.Beh	stVal
51G-4 Pickup		
	PROT.A51gPTOC4.Str	general
51G-4 Dir Pickup		
	PROT.A51gPTOC4.Str	dirGeneral
51G-4 Operated		
	PROT.A51gPTOC4.Op	general
50G-1 Enabled		
	PROT.A50gPTOC1.Mod	stVal
	PROT.A50gPTOC1.Beh	stVal
Inhibit 50G-1		
	PROT.A50gPTOC1.Mod	stVal
	PROT.A50gPTOC1.Beh	stVal
50G-1 Pickup		
	PROT.A50gPTOC1.Str	general
50G-1 Dir Pickup		
	PROT.A50gPTOC1.Str	dirGeneral
50G-1 Operated		
	PROT.A50gPTOC1.Op	general
50G-2 Enabled		
	PROT.A50gPTOC2.Mod	stVal
	PROT.A50gPTOC2.Beh	stVal
Inhibit 50G-2		
	PROT.A50gPTOC2.Mod	stVal
	PROT.A50gPTOC2.Beh	stVal
50G-2 Pickup		

Reyrolle 7SR220	DOI	DA Group
	PROT.A50gPTOC2.Str	general
50G-2 Dir Pickup		
	PROT.A50gPTOC2.Str	dirGeneral
50G-2 Operated		
	PROT.A50gPTOC2.Op	general
50G-3 Enabled		
	PROT.A50gPTOC3.Mod	stVal
	PROT.A50gPTOC3.Beh	stVal
Inhibit 50G-3		
	PROT.A50gPTOC3.Mod	stVal
	PROT.A50gPTOC3.Beh	stVal
50G-3 Pickup		
	PROT.A50gPTOC3.Str	general
50G-3 Dir Pickup		
	PROT.A50gPTOC3.Str	dirGeneral
50G-3 Operated		
	PROT.A50gPTOC3.Op	general
50G-4 Enabled		
	PROT.A50gPTOC4.Mod	stVal
	PROT.A50gPTOC4.Beh	stVal
Inhibit 50G-4		
	PROT.A50gPTOC4.Mod	stVal
	PROT.A50gPTOC4.Beh	stVal
50G-4 Pickup		
	PROT.A50gPTOC4.Str	general
50G-4 Dir Pickup		
	PROT.A50gPTOC4.Str	dirGeneral
50G-4 Operated		
	PROT.A50gPTOC4.Op	general
Sensitive E/F Enabled		
	PROT.A51SefPTOC1.Mod	stVal
	PROT.A51SefPTOC1.Beh	stVal
	PROT.A51SefPTOC2.Mod	stVal
	PROT.A51SefPTOC2.Beh	stVal
	PROT.A51SefPTOC3.Mod	stVal
	PROT.A51SefPTOC3.Beh	stVal
	PROT.A51SefPTOC4.Mod	stVal
	PROT.A51SefPTOC4.Beh	stVal
	PROT.A50SefPTOC1.Mod	stVal
	PROT.A50SefPTOC1.Beh	stVal
	PROT.A50SefPTOC2.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A50SefPTOC2.Beh	stVal
	PROT.A50SefPTOC3.Mod	stVal
	PROT.A50SefPTOC3.Beh	stVal
	PROT.A50SefPTOC4.Mod	stVal
	PROT.A50SefPTOC4.Beh	stVal
51SEF-1 Enabled		
	PROT.A51SefPTOC1.Mod	stVal
	PROT.A51SefPTOC1.Beh	stVal
Inhibit 51SEF-1		
	PROT.A51SefPTOC1.Mod	stVal
	PROT.A51SefPTOC1.Beh	stVal
51SEF-1 Pickup		
	PROT.A51SefPTOC1.Str	general
51SEF-1 Dir Pickup		
	PROT.A51SefPTOC1.Str	dirGeneral
51SEF-1 Operated		
	PROT.A51SefPTOC1.Op	general
51SEF-2 Enabled		
	PROT.A51SefPTOC2.Mod	stVal
	PROT.A51SefPTOC2.Beh	stVal
Inhibit 51SEF-2		
	PROT.A51SefPTOC2.Mod	stVal
	PROT.A51SefPTOC2.Beh	stVal
51SEF-2 Pickup		
	PROT.A51SefPTOC2.Str	general
51SEF-2 Dir Pickup		
	PROT.A51SefPTOC2.Str	dirGeneral
51SEF-2 Operated		
	PROT.A51SefPTOC2.Op	general
51SEF-3 Enabled		
	PROT.A51SefPTOC3.Mod	stVal
	PROT.A51SefPTOC3.Beh	stVal
Inhibit 51SEF-3		
	PROT.A51SefPTOC3.Mod	stVal
	PROT.A51SefPTOC3.Beh	stVal
51SEF-3 Pickup		
	PROT.A51SefPTOC3.Str	general
51SEF-3 Dir Pickup		
	PROT.A51SefPTOC3.Str	dirGeneral
51SEF-3 Operated		
	PROT.A51SefPTOC3.Op	general

Reyrolle 7SR220	DOI	DA Group
51SEF-4 Enabled		
	PROT.A51SefPTOC4.Mod	stVal
	PROT.A51SefPTOC4.Beh	stVal
Inhibit 51SEF-4		
	PROT.A51SefPTOC4.Mod	stVal
	PROT.A51SefPTOC4.Beh	stVal
51SEF-4 Pickup		
	PROT.A51SefPTOC4.Str	general
51SEF-4 Dir Pickup		
	PROT.A51SefPTOC4.Str	dirGeneral
51SEF-4 Operated		
	PROT.A51SefPTOC4.Op	general
50SEF-1 Enabled		
	PROT.A50SefPTOC1.Mod	stVal
	PROT.A50SefPTOC1.Beh	stVal
Inhibit 50SEF-1		
	PROT.A50SefPTOC1.Mod	stVal
	PROT.A50SefPTOC1.Beh	stVal
50SEF-1 Pickup		
	PROT.A50SefPTOC1.Str	general
50SEF-1 Dir Pickup		
	PROT.A50SefPTOC1.Str	dirGeneral
50SEF-1 Operated		
	PROT.A50SefPTOC1.Op	general
50SEF-2 Enabled		
	PROT.A50SefPTOC2.Mod	stVal
	PROT.A50SefPTOC2.Beh	stVal
Inhibit 50SEF-2		
	PROT.A50SefPTOC2.Mod	stVal
	PROT.A50SefPTOC2.Beh	stVal
50SEF-2 Pickup		
	PROT.A50SefPTOC2.Str	general
50SEF-2 Dir Pickup		
	PROT.A50SefPTOC2.Str	dirGeneral
50SEF-2 Operated		
	PROT.A50SefPTOC2.Op	general
50SEF-3 Enabled		
	PROT.A50SefPTOC3.Mod	stVal
	PROT.A50SefPTOC3.Beh	stVal
Inhibit 50SEF-3		
	PROT.A50SefPTOC3.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A50SefPTOC3.Beh	stVal
50SEF-3 Pickup		
	PROT.A50SefPTOC3.Str	general
50SEF-3 Dir Pickup		
	PROT.A50SefPTOC3.Str	dirGeneral
50SEF-3 Operated		
	PROT.A50SefPTOC3.Op	general
50SEF-4 Enabled		
	PROT.A50SefPTOC4.Mod	stVal
	PROT.A50SefPTOC4.Beh	stVal
Inhibit 50SEF-4		
	PROT.A50SefPTOC4.Mod	stVal
	PROT.A50SefPTOC4.Beh	stVal
50SEF-4 Pickup		
	PROT.A50SefPTOC4.Str	general
50SEF-4 Dir Pickup		
	PROT.A50SefPTOC4.Str	dirGeneral
50SEF-4 Operated		
	PROT.A50SefPTOC4.Op	general
Restricted E/F Enabled		
	PROT.A64hPTOC1.Mod	stVal
	PROT.A64hPTOC1.Beh	stVal
64H Enabled		
	PROT.A64hPTOC1.Mod	stVal
	PROT.A64hPTOC1.Beh	stVal
Inhibit 64H		
	PROT.A64hPTOC1.Mod	stVal
	PROT.A64hPTOC1.Beh	stVal
64H Pickup		
	PROT.A64hPTOC1.Str	general
64H Operated		
	PROT.A64hPTOC1.Op	general
NPS Overcurrent Enabled		
	PROT.A46ltPTOC1.Mod	stVal
	PROT.A46ltPTOC1.Beh	stVal
	PROT.A46DtPTOC1.Mod	stVal
	PROT.A46DtPTOC1.Beh	stVal
46IT Enabled		
	PROT.A46ltPTOC1.Mod	stVal
	PROT.A46ltPTOC1.Beh	stVal
Inhibit 46IT		

Reyrolle 7SR220	DOI	DA Group
	PROT.A46ltPTOC1.Mod	stVal
	PROT.A46ltPTOC1.Beh	stVal
46IT Pickup		
	PROT.A46ltPTOC1.Str	general
46IT Operated		
	PROT.A46ltPTOC1.Op	general
46DT Enabled		
	PROT.A46DtPTOC1.Mod	stVal
	PROT.A46DtPTOC1.Beh	stVal
Inhibit 46DT		
	PROT.A46DtPTOC1.Mod	stVal
	PROT.A46DtPTOC1.Beh	stVal
46DT Pickup		
	PROT.A46DtPTOC1.Str	general
46DT Operated		
	PROT.A46DtPTOC1.Op	general
Under Current Enabled		
	PROT.A37PTUC1.Mod	stVal
	PROT.A37PTUC1.Beh	stVal
	PROT.A37PTUC2.Mod	stVal
	PROT.A37PTUC2.Beh	stVal
	PROT.A37gPTUC1.Mod	stVal
	PROT.A37gPTUC1.Beh	stVal
	PROT.A37gPTUC2.Mod	stVal
	PROT.A37gPTUC2.Beh	stVal
	PROT.A37SefPTUC1.Mod	stVal
	PROT.A37SefPTUC1.Beh	stVal
	PROT.A37SefPTUC2.Mod	stVal
	PROT.A37SefPTUC2.Beh	stVal
37-1 Enabled		
	PROT.A37PTUC1.Mod	stVal
	PROT.A37PTUC1.Beh	stVal
Inhibit 37-1		
	PROT.A37PTUC1.Mod	stVal
	PROT.A37PTUC1.Beh	stVal
37-1 PhA Pickup		
	PROT.A37PTUC1.Str	general (3-pole)
	PROT.A37PTUC1.Str	phsA (L1)
37-1 PhB Pickup		
	PROT.A37PTUC1.Str	general (3-pole)
	PROT.A37PTUC1.Str	phsB (L2)

Reyrolle 7SR220	DOI	DA Group
37-1 PhC Pickup		
	PROT.A37PTUC1.Str	general (3-pole)
	PROT.A37PTUC1.Str	phsC (L3)
37-1 Operated		
	PROT.A37PTUC1.Op	general (3-pole)
37-2 Enabled		
	PROT.A37PTUC2.Mod	stVal
	PROT.A37PTUC2.Beh	stVal
Inhibit 37-2		
	PROT.A37PTUC2.Mod	stVal
	PROT.A37PTUC2.Beh	stVal
37-2 PhA Pickup		
	PROT.A37PTUC2.Str	general (3-pole)
	PROT.A37PTUC2.Str	phsA (L1)
37-2 PhB Pickup		
	PROT.A37PTUC2.Str	general (3-pole)
	PROT.A37PTUC2.Str	phsB (L2)
37-2 PhC Pickup		
	PROT.A37PTUC2.Str	general (3-pole)
	PROT.A37PTUC2.Str	phsC (L3)
37-2 Operated		
	PROT.A37PTUC2.Op	general (3-pole)
37G-1 Enabled		
	PROT.A37gPTUC1.Mod	stVal
	PROT.A37gPTUC1.Beh	stVal
Inhibit 37G-1		
	PROT.A37gPTUC1.Mod	stVal
	PROT.A37gPTUC1.Beh	stVal
37G-1 Pickup		
	PROT.A37gPTUC1.Str	general
37G-1 Operated		
	PROT.A37gPTUC1.Op	general
37G-2 Enabled		
	PROT.A37gPTUC2.Mod	stVal
	PROT.A37gPTUC2.Beh	stVal
Inhibit 37G-2		
	PROT.A37gPTUC2.Mod	stVal
	PROT.A37gPTUC2.Beh	stVal
37G-2 Pickup		
	PROT.A37gPTUC2.Str	general
37G-2 Operated		

Reyrolle 7SR220	DOI	DA Group
	PROT.A37gPTUC2.Op	general
37SEF-1 Enabled		
	PROT.A37SefPTUC1.Mod	stVal
	PROT.A37SefPTUC1.Beh	stVal
Inhibit 37SEF-1		
	PROT.A37SefPTUC1.Mod	stVal
	PROT.A37SefPTUC1.Beh	stVal
37SEF-1 Pickup		
	PROT.A37SefPTUC1.Str	general
37SEF-1 Operated		
	PROT.A37SefPTUC1.Op	general
37SEF-2 Enabled		
	PROT.A37SefPTUC2.Mod	stVal
	PROT.A37SefPTUC2.Beh	stVal
Inhibit 37SEF-2		
	PROT.A37SefPTUC2.Mod	stVal
	PROT.A37SefPTUC2.Beh	stVal
37SEF-2 Pickup		
	PROT.A37SefPTUC2.Str	general
37SEF-2 Operated		
	PROT.A37SefPTUC2.Op	general
49 Thermal Overload Enabled		
	PROT.A49PTTR1.Mod	stVal
	PROT.A49PTTR1.Beh	stVal
Inhibit 49		
	PROT.A49PTTR1.Mod	stVal
	PROT.A49PTTR1.Beh	stVal
49 Pickup		
	PROT.A49PTTR1.Str	general
49 Operated		
	PROT.A49PTTR1.Op	general
49 Alarm		
	PROT.A49PTTR1.AlmThm	general
Phase U/O Voltage Enabled		
	PROT.A2759PTOV1.Mod	stVal
	PROT.A2759PTOV1.Beh	stVal
	PROT.A2759PTUV1.Mod	stVal
	PROT.A2759PTUV1.Beh	stVal
	PROT.A2759PTOV2.Mod	stVal
	PROT.A2759PTOV2.Beh	stVal
	PROT.A2759PTUV2.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A2759PTUV2.Beh	stVal
	PROT.A2759PTOV3.Mod	stVal
	PROT.A2759PTOV3.Beh	stVal
	PROT.A2759PTUV3.Mod	stVal
	PROT.A2759PTUV3.Beh	stVal
	PROT.A2759PTOV4.Mod	stVal
	PROT.A2759PTOV4.Beh	stVal
	PROT.A2759PTUV4.Mod	stVal
	PROT.A2759PTUV4.Beh	stVal
27/59-1 Enabled		
	PROT.A2759PTOV1.Mod	stVal
	PROT.A2759PTOV1.Beh	stVal
	PROT.A2759PTUV1.Mod	stVal
	PROT.A2759PTUV1.Beh	stVal
Inhibit 27/59-1		
	PROT.A2759PTOV1.Mod	stVal
	PROT.A2759PTOV1.Beh	stVal
	PROT.A2759PTUV1.Mod	stVal
	PROT.A2759PTUV1.Beh	stVal
27/59-1 PhA Pickup		
	PROT.A2759PTOV1.Str	general (3-pole)
	PROT.A2759PTOV1.Str	phsA (L1)
	PROT.A2759PTUV1.Str	general (3-pole)
	PROT.A2759PTUV1.Str	phsA (L1)
27/59-1 PhB Pickup		
	PROT.A2759PTOV1.Str	general (3-pole)
	PROT.A2759PTOV1.Str	phsB (L2)
	PROT.A2759PTUV1.Str	general (3-pole)
	PROT.A2759PTUV1.Str	phsB (L2)
27/59-1 PhC Pickup		
	PROT.A2759PTOV1.Str	general (3-pole)
	PROT.A2759PTOV1.Str	phsC (L3)
	PROT.A2759PTUV1.Str	general (3-pole)
	PROT.A2759PTUV1.Str	phsC (L3)
27/59-1 Operated		
	PROT.A2759PTOV1.Op	general (3-pole)
	PROT.A2759PTUV1.Op	general (3-pole)
27/59-2 Enabled		
	PROT.A2759PTOV2.Mod	stVal
	PROT.A2759PTOV2.Beh	stVal
	PROT.A2759PTUV2.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A2759PTUV2.Beh	stVal
Inhibit 27/59-2		
	PROT.A2759PTOV2.Mod	stVal
	PROT.A2759PTOV2.Beh	stVal
	PROT.A2759PTUV2.Mod	stVal
	PROT.A2759PTUV2.Beh	stVal
27/59-2 PhA Pickup		
	PROT.A2759PTOV2.Str	general (3-pole)
	PROT.A2759PTOV2.Str	phsA (L1)
	PROT.A2759PTUV2.Str	general (3-pole)
	PROT.A2759PTUV2.Str	phsA (L1)
27/59-2 PhB Pickup		
	PROT.A2759PTOV2.Str	general (3-pole)
	PROT.A2759PTOV2.Str	phsB (L2)
	PROT.A2759PTUV2.Str	general (3-pole)
	PROT.A2759PTUV2.Str	phsB (L2)
27/59-2 PhC Pickup		
	PROT.A2759PTOV2.Str	general (3-pole)
	PROT.A2759PTOV2.Str	phsC (L3)
	PROT.A2759PTUV2.Str	general (3-pole)
	PROT.A2759PTUV2.Str	phsC (L3)
27/59-2 Operated		
	PROT.A2759PTOV2.Op	general (3-pole)
	PROT.A2759PTUV2.Op	general (3-pole)
27/59-3 Enabled		
	PROT.A2759PTOV3.Mod	stVal
	PROT.A2759PTOV3.Beh	stVal
	PROT.A2759PTUV3.Mod	stVal
	PROT.A2759PTUV3.Beh	stVal
Inhibit 27/59-3		
	PROT.A2759PTOV3.Mod	stVal
	PROT.A2759PTOV3.Beh	stVal
	PROT.A2759PTUV3.Mod	stVal
	PROT.A2759PTUV3.Beh	stVal
27/59-3 PhA Pickup		
	PROT.A2759PTOV3.Str	general (3-pole)
	PROT.A2759PTOV3.Str	phsA (L1)
	PROT.A2759PTUV3.Str	general (3-pole)
	PROT.A2759PTUV3.Str	phsA (L1)
27/59-3 PhB Pickup		
	PROT.A2759PTOV3.Str	general (3-pole)

Reyrolle 7SR220	DOI	DA Group
	PROT.A2759PTOV3.Str	phsB (L2)
	PROT.A2759PTUV3.Str	general (3-pole)
	PROT.A2759PTUV3.Str	phsB (L2)
27/59-3 PhC Pickup		
	PROT.A2759PTOV3.Str	general (3-pole)
	PROT.A2759PTOV3.Str	phsC (L3)
	PROT.A2759PTUV3.Str	general (3-pole)
	PROT.A2759PTUV3.Str	phsC (L3)
27/59-3 Operated		
	PROT.A2759PTOV3.Op	general (3-pole)
	PROT.A2759PTUV3.Op	general (3-pole)
27/59-4 Enabled		
	PROT.A2759PTOV4.Mod	stVal
	PROT.A2759PTOV4.Beh	stVal
	PROT.A2759PTUV4.Mod	stVal
	PROT.A2759PTUV4.Beh	stVal
Inhibit 27/59-4		
	PROT.A2759PTOV4.Mod	stVal
	PROT.A2759PTOV4.Beh	stVal
	PROT.A2759PTUV4.Mod	stVal
	PROT.A2759PTUV4.Beh	stVal
27/59-4 PhA Pickup		
	PROT.A2759PTOV4.Str	general (3-pole)
	PROT.A2759PTOV4.Str	phsA (L1)
	PROT.A2759PTUV4.Str	general (3-pole)
	PROT.A2759PTUV4.Str	phsA (L1)
27/59-4 PhB Pickup		
	PROT.A2759PTOV4.Str	general (3-pole)
	PROT.A2759PTOV4.Str	phsB (L2)
	PROT.A2759PTUV4.Str	general (3-pole)
	PROT.A2759PTUV4.Str	phsB (L2)
27/59-4 PhC Pickup		
	PROT.A2759PTOV4.Str	general (3-pole)
	PROT.A2759PTOV4.Str	phsC (L3)
	PROT.A2759PTUV4.Str	general (3-pole)
	PROT.A2759PTUV4.Str	phsC (L3)
27/59-4 Operated		
	PROT.A2759PTOV4.Op	general (3-pole)
	PROT.A2759PTUV4.Op	general (3-pole)
Vx 27/59 Enabled		
	PROT.A2759PTOV5.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A2759PTOV5.Beh	stVal
	PROT.A2759PTUV5.Mod	stVal
	PROT.A2759PTUV5.Beh	stVal
Inhibit Vx 27/59		
	PROT.A2759PTOV5.Mod	stVal
	PROT.A2759PTOV5.Beh	stVal
	PROT.A2759PTUV5.Mod	stVal
	PROT.A2759PTUV5.Beh	stVal
Vx 27/59 Pickup		
	PROT.A2759PTOV5.Str	general
	PROT.A2759PTUV5.Str	general
Vx 27/59 Operated		
	PROT.A2759PTOV5.Op	general
	PROT.A2759PTUV5.Op	general
NPS Over Voltage Enabled		
	PROT.A47PTOV1.Mod	stVal
	PROT.A47PTOV1.Beh	stVal
	PROT.A47PTOV2.Mod	stVal
	PROT.A47PTOV2.Beh	stVal
47-1 Enabled		
	PROT.A47PTOV1.Mod	stVal
	PROT.A47PTOV1.Beh	stVal
Inhibit 47-1		
	PROT.A47PTOV1.Mod	stVal
	PROT.A47PTOV1.Beh	stVal
47-1 Pickup		
	PROT.A47PTOV1.Str	general
47-1 Operated		
	PROT.A47PTOV1.Op	general
47-2 Enabled		
	PROT.A47PTOV2.Mod	stVal
	PROT.A47PTOV2.Beh	stVal
Inhibit 47-2		
	PROT.A47PTOV2.Mod	stVal
	PROT.A47PTOV2.Beh	stVal
47-2 Pickup		
	PROT.A47PTOV2.Str	general
47-2 Operated		
	PROT.A47PTOV2.Op	general
Neutral Overvoltage Enabled		
	PROT.A59nltPTOV1.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A59nltPTOV1.Beh	stVal
	PROT.A59nDtPTOV1.Mod	stVal
	PROT.A59nDtPTOV1.Beh	stVal
59NIT Enabled		
	PROT.A59nltPTOV1.Mod	stVal
	PROT.A59nltPTOV1.Beh	stVal
Inhibit 59NIT		
	PROT.A59nltPTOV1.Mod	stVal
	PROT.A59nltPTOV1.Beh	stVal
59NIT Pickup		
	PROT.A59nltPTOV1.Str	general
59NIT Operated		
	PROT.A59nltPTOV1.Op	general
59NDT Enabled		
	PROT.A59nDtPTOV1.Mod	stVal
	PROT.A59nDtPTOV1.Beh	stVal
Inhibit 59NDT		
	PROT.A59nDtPTOV1.Mod	stVal
	PROT.A59nDtPTOV1.Beh	stVal
59NDT Pickup		
	PROT.A59nDtPTOV1.Str	general
59NDT Operated		
	PROT.A59nDtPTOV1.Op	general
U/O Frequency Enabled		
	PROT.A81PTOF1.Mod	stVal
	PROT.A81PTOF1.Beh	stVal
	PROT.A81PTUF1.Mod	stVal
	PROT.A81PTUF1.Beh	stVal
	PROT.A81PTOF2.Mod	stVal
	PROT.A81PTOF2.Beh	stVal
	PROT.A81PTUF2.Mod	stVal
	PROT.A81PTUF2.Beh	stVal
	PROT.A81PTOF3.Mod	stVal
	PROT.A81PTOF3.Beh	stVal
	PROT.A81PTUF3.Mod	stVal
	PROT.A81PTUF3.Beh	stVal
	PROT.A81PTOF4.Mod	stVal
	PROT.A81PTOF4.Beh	stVal
	PROT.A81PTUF4.Mod	stVal
	PROT.A81PTUF4.Beh	stVal
	PROT.A81PTOF5.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A81PTOF5.Beh	stVal
	PROT.A81PTUF5.Mod	stVal
	PROT.A81PTUF5.Beh	stVal
	PROT.A81PTOF6.Mod	stVal
	PROT.A81PTOF6.Beh	stVal
	PROT.A81PTUF6.Mod	stVal
	PROT.A81PTUF6.Beh	stVal
81-1 Enabled		
	PROT.A81PTOF1.Mod	stVal
	PROT.A81PTOF1.Beh	stVal
	PROT.A81PTUF1.Mod	stVal
	PROT.A81PTUF1.Beh	stVal
Inhibit 81-1		
	PROT.A81PTOF1.Mod	stVal
	PROT.A81PTOF1.Beh	stVal
	PROT.A81PTUF1.Mod	stVal
	PROT.A81PTUF1.Beh	stVal
81-1 Pickup		
	PROT.A81PTOF1.Str	general
	PROT.A81PTUF1.Str	general
81-1 Operated		
	PROT.A81PTOF1.Op	general
	PROT.A81PTUF1.Op	general
81-2 Enabled		
	PROT.A81PTOF2.Mod	stVal
	PROT.A81PTOF2.Beh	stVal
	PROT.A81PTUF2.Mod	stVal
	PROT.A81PTUF2.Beh	stVal
Inhibit 81-2		
	PROT.A81PTOF2.Mod	stVal
	PROT.A81PTOF2.Beh	stVal
	PROT.A81PTUF2.Mod	stVal
	PROT.A81PTUF2.Beh	stVal
81-2 Pickup		
	PROT.A81PTOF2.Str	general
	PROT.A81PTUF2.Str	general
81-2 Operated		
	PROT.A81PTOF2.Op	general
	PROT.A81PTUF2.Op	general
81-3 Enabled		
	PROT.A81PTOF3.Mod	stVal

Reyrolle 7SR220	DOI	DA Group
	PROT.A81PTOF3.Beh	stVal
	PROT.A81PTUF3.Mod	stVal
	PROT.A81PTUF3.Beh	stVal
Inhibit 81-3		
	PROT.A81PTOF3.Mod	stVal
	PROT.A81PTOF3.Beh	stVal
	PROT.A81PTUF3.Mod	stVal
	PROT.A81PTUF3.Beh	stVal
81-3 Pickup		
	PROT.A81PTOF3.Str	general
	PROT.A81PTUF3.Str	general
81-3 Operated		
	PROT.A81PTOF3.Op	general
	PROT.A81PTUF3.Op	general
81-4 Enabled		
	PROT.A81PTOF4.Mod	stVal
	PROT.A81PTOF4.Beh	stVal
	PROT.A81PTUF4.Mod	stVal
	PROT.A81PTUF4.Beh	stVal
Inhibit 81-4		
	PROT.A81PTOF4.Mod	stVal
	PROT.A81PTOF4.Beh	stVal
	PROT.A81PTUF4.Mod	stVal
	PROT.A81PTUF4.Beh	stVal
81-4 Pickup		
	PROT.A81PTOF4.Str	general
	PROT.A81PTUF4.Str	general
81-4 Operated		
	PROT.A81PTOF4.Op	general
	PROT.A81PTUF4.Op	general
81-5 Enabled		
	PROT.A81PTOF5.Mod	stVal
	PROT.A81PTOF5.Beh	stVal
	PROT.A81PTUF5.Mod	stVal
	PROT.A81PTUF5.Beh	stVal
Inhibit 81-5		
	PROT.A81PTOF5.Mod	stVal
	PROT.A81PTOF5.Beh	stVal
	PROT.A81PTUF5.Mod	stVal
	PROT.A81PTUF5.Beh	stVal
81-5 Pickup		

Reyrolle 7SR220	DOI	DA Group
	PROT.A81PTOF5.Str	general
	PROT.A81PTUF5.Str	general
81-5 Operated		
	PROT.A81PTOF5.Op	general
	PROT.A81PTUF5.Op	general
81-6 Enabled		
	PROT.A81PTOF6.Mod	stVal
	PROT.A81PTOF6.Beh	stVal
	PROT.A81PTUF6.Mod	stVal
	PROT.A81PTUF6.Beh	stVal
Inhibit 81-6		
	PROT.A81PTOF6.Mod	stVal
	PROT.A81PTOF6.Beh	stVal
	PROT.A81PTUF6.Mod	stVal
	PROT.A81PTUF6.Beh	stVal
81-6 Pickup		
	PROT.A81PTOF6.Str	general
	PROT.A81PTUF6.Str	general
81-6 Operated		
	PROT.A81PTOF6.Op	general
	PROT.A81PTUF6.Op	general
ProtectionActive		
	PROT.PTRC1.Mod	stVal
	PROT.PTRC1.Beh	stVal
General Pickup		
	PROT.PTRC1.Str	general
Any Overcurrent Operated		
	PROT.PTRC1.Op	general
Trip Contact Operated		
	PROT.PTRC1.Tr	general
Waveform Rec Complete		
	DR.RDRE1.RcdMade	stVal
Fault Number		
	DR.RDRE1.FltNum	stVal
	DR.RDRE1.GriFltNum	stVal

1.2 Function - Measurement (MMXU)

Reyrolle 7SR220	DOI	DA Group
Active Power (P =) 3Phase		
	MEAS.MMXU1.TotW	-
Active Power (P =) Phase A		
	MEAS.MMXU1.W	phsA
Active Power (P =) Phase B		
	MEAS.MMXU1.W	phsB
Active Power (P =) Phase C		
	MEAS.MMXU1.W	phsC
Reactive Power (Q =) 3Phase		
	MEAS.MMXU1.TotVAr	-
Reactive Power (Q =) Phase A		
	MEAS.MMXU1.VAr	phsA
Reactive Power (Q =) Phase B		
	MEAS.MMXU1.VAr	phsB
Reactive Power (Q =) Phase C		
	MEAS.MMXU1.VAr	phsC
Apparent Power (S =) 3Phase		
	MEAS.MMXU1.TotVA	-
Apparent Power (S =) Phase A		
	MEAS.MMXU1.VA	phsA
Apparent Power (S =) Phase B		
	MEAS.MMXU1.VA	phsB
Apparent Power (S =) Phase C		
	MEAS.MMXU1.VA	phsC
Power Factor (PF =) 3Phase		
	MEAS.MMXU1.TotPF	-
Power Factor (PF =) Phase A		
	MEAS.MMXU1.PF	phsA
Power Factor (PF =) Phase B		
	MEAS.MMXU1.PF	phsB
Power Factor (PF =) Phase C		
	MEAS.MMXU1.PF	phsC
Frequency (Freq =)		
	MEAS.MMXU1.Hz	-
Va-b (Vab =)		
	MEAS.MMXU1.PPV	phsAB mag
Vc-a (Vca =)		
	MEAS.MMXU1.PPV	phsCA mag

Reyrolle 7SR220	DOI	DA Group
Va (Va =)		
	MEAS.MMXU1.PhV	phsA mag
	MEAS.MMXU1.PhV	phsA ang
Vb (Vb =)		
	MEAS.MMXU1.PhV	phsB mag
	MEAS.MMXU1.PhV	phsB ang
Vc (Vc =)		
	MEAS.MMXU1.PhV	phsC mag
	MEAS.MMXU1.PhV	phsC ang
Measured Earth Voltage (Vg =)		
	MEAS.MMXU1.PhV	neut mag
	MEAS.MMXU1.PhV	neut ang
Calculated Earth Voltage (Vn =)		
	MEAS.MMXU1.PhV	res mag
	MEAS.MMXU1.PhV	res ang
Ia (Ia =)		
	MEAS.MMXU1.A	phsA mag
	MEAS.MMXU1.A	phsA ang
Ib (Ib =)		
	MEAS.MMXU1.A	phsB mag
	MEAS.MMXU1.A	phsB ang
Ic (Ic =)		
	MEAS.MMXU1.A	phsC mag
	MEAS.MMXU1.A	phsC ang
Measured Earth Current (Ig =)		
	MEAS.MMXU1.A	neut mag
	MEAS.MMXU1.A	neut ang
Calculated Earth Current (In =)		
	MEAS.MMXU1.A	res mag
	MEAS.MMXU1.A	res ang

1.3 Function – GOOSE & Indication

Reyrolle 7SR220	DOI	DA Group
SPi64GGIO1 SPCSO1		
	CTRL.SPi64GGIO1.SPCSO1	ctlVal
SPi64GGIO1 SPCSO2		
	CTRL.SPi64GGIO1.SPCSO2	ctlVal
SPi64GGIO1 SPCSO3		
	CTRL.SPi64GGIO1.SPCSO3	ctlVal
SPi64GGIO1 SPCSO4		
	CTRL.SPi64GGIO1.SPCSO4	ctlVal
SPi64GGIO1 SPCSO5		
	CTRL.SPi64GGIO1.SPCSO5	ctlVal
SPi64GGIO1 SPCSO6		
	CTRL.SPi64GGIO1.SPCSO6	ctlVal
SPi64GGIO1 SPCSO7		
	CTRL.SPi64GGIO1.SPCSO7	ctlVal
SPi64GGIO1 SPCSO8		
	CTRL.SPi64GGIO1.SPCSO8	ctlVal
SPi64GGIO1 SPCSO9		
	CTRL.SPi64GGIO1.SPCSO9	ctlVal
SPi64GGIO1 SPCSO10		
	CTRL.SPi64GGIO1.SPCSO10	ctlVal
SPi64GGIO1 SPCSO11		
	CTRL.SPi64GGIO1.SPCSO11	ctlVal
SPi64GGIO1 SPCSO12		
	CTRL.SPi64GGIO1.SPCSO12	ctlVal
SPi64GGIO1 SPCSO13		
	CTRL.SPi64GGIO1.SPCSO13	ctlVal
SPi64GGIO1 SPCSO14		
	CTRL.SPi64GGIO1.SPCSO14	ctlVal
SPi64GGIO1 SPCSO15		
	CTRL.SPi64GGIO1.SPCSO15	ctlVal
SPi64GGIO1 SPCSO16		
	CTRL.SPi64GGIO1.SPCSO16	ctlVal
SPi64GGIO1 SPCSO17		
	CTRL.SPi64GGIO1.SPCSO17	ctlVal
SPi64GGIO1 SPCSO18		
	CTRL.SPi64GGIO1.SPCSO18	ctlVal
SPi64GGIO1 SPCSO19		
	CTRL.SPi64GGIO1.SPCSO19	ctlVal

Reyrolle 7SR220	DOI	DA Group
SPI64GGIO1 SPCSO20		
	CTRL.SPI64GGIO1.SPCSO20	ctlVal
SPI64GGIO1 SPCSO21		
	CTRL.SPI64GGIO1.SPCSO21	ctlVal
SPI64GGIO1 SPCSO22		
	CTRL.SPI64GGIO1.SPCSO22	ctlVal
SPI64GGIO1 SPCSO23		
	CTRL.SPI64GGIO1.SPCSO23	ctlVal
SPI64GGIO1 SPCSO24		
	CTRL.SPI64GGIO1.SPCSO24	ctlVal
SPI64GGIO1 SPCSO25		
	CTRL.SPI64GGIO1.SPCSO25	ctlVal
SPI64GGIO1 SPCSO26		
	CTRL.SPI64GGIO1.SPCSO26	ctlVal
SPI64GGIO1 SPCSO27		
	CTRL.SPI64GGIO1.SPCSO27	ctlVal
SPI64GGIO1 SPCSO28		
	CTRL.SPI64GGIO1.SPCSO28	ctlVal
SPI64GGIO1 SPCSO29		
	CTRL.SPI64GGIO1.SPCSO29	ctlVal
SPI64GGIO1 SPCSO30		
	CTRL.SPI64GGIO1.SPCSO30	ctlVal
SPI64GGIO1 SPCSO31		
	CTRL.SPI64GGIO1.SPCSO31	ctlVal
SPI64GGIO1 SPCSO32		
	CTRL.SPI64GGIO1.SPCSO32	ctlVal
SPI64GGIO1 SPCSO33		
	CTRL.SPI64GGIO1.SPCSO33	ctlVal
SPI64GGIO1 SPCSO34		
	CTRL.SPI64GGIO1.SPCSO34	ctlVal
SPI64GGIO1 SPCSO35		
	CTRL.SPI64GGIO1.SPCSO35	ctlVal
SPI64GGIO1 SPCSO36		
	CTRL.SPI64GGIO1.SPCSO36	ctlVal
SPI64GGIO1 SPCSO37		
	CTRL.SPI64GGIO1.SPCSO37	ctlVal
SPI64GGIO1 SPCSO38		
	CTRL.SPI64GGIO1.SPCSO38	ctlVal
SPI64GGIO1 SPCSO39		
	CTRL.SPI64GGIO1.SPCSO39	ctlVal
SPI64GGIO1 SPCSO40		

Reyrolle 7SR220	DOI	DA Group
	CTRL.SPi64GGIO1.SPCSO40	ctlVal
SPi64GGIO1 SPCSO41		
	CTRL.SPi64GGIO1.SPCSO41	ctlVal
SPi64GGIO1 SPCSO42		
	CTRL.SPi64GGIO1.SPCSO42	ctlVal
SPi64GGIO1 SPCSO43		
	CTRL.SPi64GGIO1.SPCSO43	ctlVal
SPi64GGIO1 SPCSO44		
	CTRL.SPi64GGIO1.SPCSO44	ctlVal
SPi64GGIO1 SPCSO45		
	CTRL.SPi64GGIO1.SPCSO45	ctlVal
SPi64GGIO1 SPCSO46		
	CTRL.SPi64GGIO1.SPCSO46	ctlVal
SPi64GGIO1 SPCSO47		
	CTRL.SPi64GGIO1.SPCSO47	ctlVal
SPi64GGIO1 SPCSO48		
	CTRL.SPi64GGIO1.SPCSO48	ctlVal
SPi64GGIO1 SPCSO49		
	CTRL.SPi64GGIO1.SPCSO49	ctlVal
SPi64GGIO1 SPCSO50		
	CTRL.SPi64GGIO1.SPCSO50	ctlVal
SPi64GGIO1 SPCSO51		
	CTRL.SPi64GGIO1.SPCSO51	ctlVal
SPi64GGIO1 SPCSO52		
	CTRL.SPi64GGIO1.SPCSO52	ctlVal
SPi64GGIO1 SPCSO53		
	CTRL.SPi64GGIO1.SPCSO53	ctlVal
SPi64GGIO1 SPCSO54		
	CTRL.SPi64GGIO1.SPCSO54	ctlVal
SPi64GGIO1 SPCSO55		
	CTRL.SPi64GGIO1.SPCSO55	ctlVal
SPi64GGIO1 SPCSO56		
	CTRL.SPi64GGIO1.SPCSO56	ctlVal
SPi64GGIO1 SPCSO57		
	CTRL.SPi64GGIO1.SPCSO57	ctlVal
SPi64GGIO1 SPCSO58		
	CTRL.SPi64GGIO1.SPCSO58	ctlVal
SPi64GGIO1 SPCSO59		
	CTRL.SPi64GGIO1.SPCSO59	ctlVal
SPi64GGIO1 SPCSO60		
	CTRL.SPi64GGIO1.SPCSO60	ctlVal

Reyrolle 7SR220	DOI	DA Group
SPI64GGIO1 SPCSO61		
	CTRL.SPI64GGIO1.SPCSO61	ctlVal
SPI64GGIO1 SPCSO62		
	CTRL.SPI64GGIO1.SPCSO62	ctlVal
SPI64GGIO1 SPCSO63		
	CTRL.SPI64GGIO1.SPCSO63	ctlVal
SPI64GGIO1 SPCSO64		
	CTRL.SPI64GGIO1.SPCSO64	ctlVal
SPo32GGIO1 Ind1		
	CTRL.SPo32GGIO1.Ind1	stVal
SPo32GGIO1 Ind2		
	CTRL.SPo32GGIO1.Ind2	stVal
SPo32GGIO1 Ind3		
	CTRL.SPo32GGIO1.Ind3	stVal
SPo32GGIO1 Ind4		
	CTRL.SPo32GGIO1.Ind4	stVal
SPo32GGIO1 Ind5		
	CTRL.SPo32GGIO1.Ind5	stVal
SPo32GGIO1 Ind6		
	CTRL.SPo32GGIO1.Ind6	stVal
SPo32GGIO1 Ind7		
	CTRL.SPo32GGIO1.Ind7	stVal
SPo32GGIO1 Ind8		
	CTRL.SPo32GGIO1.Ind8	stVal
SPo32GGIO1 Ind9		
	CTRL.SPo32GGIO1.Ind9	stVal
SPo32GGIO1 Ind10		
	CTRL.SPo32GGIO1.Ind10	stVal
SPo32GGIO1 Ind11		
	CTRL.SPo32GGIO1.Ind11	stVal
SPo32GGIO1 Ind12		
	CTRL.SPo32GGIO1.Ind12	stVal
SPo32GGIO1 Ind13		
	CTRL.SPo32GGIO1.Ind13	stVal
SPo32GGIO1 Ind14		
	CTRL.SPo32GGIO1.Ind14	stVal
SPo32GGIO1 Ind15		
	CTRL.SPo32GGIO1.Ind15	stVal
SPo32GGIO1 Ind16		
	CTRL.SPo32GGIO1.Ind16	stVal
SPo32GGIO1 Ind17		

Reyrolle 7SR220	DOI	DA Group
	CTRL.SP032GGIO1.Ind17	stVal
SPo32GGIO1 Ind18		
	CTRL.SP032GGIO1.Ind18	stVal
SPo32GGIO1 Ind19		
	CTRL.SP032GGIO1.Ind19	stVal
SPo32GGIO1 Ind20		
	CTRL.SP032GGIO1.Ind20	stVal
SPo32GGIO1 Ind21		
	CTRL.SP032GGIO1.Ind21	stVal
SPo32GGIO1 Ind22		
	CTRL.SP032GGIO1.Ind22	stVal
SPo32GGIO1 Ind23		
	CTRL.SP032GGIO1.Ind23	stVal
SPo32GGIO1 Ind24		
	CTRL.SP032GGIO1.Ind24	stVal
SPo32GGIO1 Ind25		
	CTRL.SP032GGIO1.Ind25	stVal
SPo32GGIO1 Ind26		
	CTRL.SP032GGIO1.Ind26	stVal
SPo32GGIO1 Ind27		
	CTRL.SP032GGIO1.Ind27	stVal
SPo32GGIO1 Ind28		
	CTRL.SP032GGIO1.Ind28	stVal
SPo32GGIO1 Ind29		
	CTRL.SP032GGIO1.Ind29	stVal
SPo32GGIO1 Ind30		
	CTRL.SP032GGIO1.Ind30	stVal
SPo32GGIO1 Ind31		
	CTRL.SP032GGIO1.Ind31	stVal
SPo32GGIO1 Ind32		
	CTRL.SP032GGIO1.Ind32	stVal
BI13GGIO1 Ind1		
	CTRL.BI13GGIO1.Ind1	stVal
BI13GGIO1 Ind2		
	CTRL.BI13GGIO1.Ind2	stVal
BI13GGIO1 Ind3		
	CTRL.BI13GGIO1.Ind3	stVal
BI13GGIO1 Ind4		
	CTRL.BI13GGIO1.Ind4	stVal
BI13GGIO1 Ind5		
	CTRL.BI13GGIO1.Ind5	stVal

Reyrolle 7SR220	DOI	DA Group
BI13GGIO1 Ind6		
	CTRL.BI13GGIO1.Ind6	stVal
BI13GGIO1 Ind7		
	CTRL.BI13GGIO1.Ind7	stVal
BI13GGIO1 Ind8		
	CTRL.BI13GGIO1.Ind8	stVal
BI13GGIO1 Ind9		
	CTRL.BI13GGIO1.Ind9	stVal
BI13GGIO1 Ind10		
	CTRL.BI13GGIO1.Ind10	stVal
BI13GGIO1 Ind11		
	CTRL.BI13GGIO1.Ind11	stVal
BI13GGIO1 Ind12		
	CTRL.BI13GGIO1.Ind12	stVal
BI13GGIO1 Ind13		
	CTRL.BI13GGIO1.Ind13	stVal
BO14GGIO1 Ind1		
	CTRL.BO14GGIO1.Ind1	stVal
BO14GGIO1 Ind2		
	CTRL.BO14GGIO1.Ind2	stVal
BO14GGIO1 Ind3		
	CTRL.BO14GGIO1.Ind3	stVal
BO14GGIO1 Ind4		
	CTRL.BO14GGIO1.Ind4	stVal
BO14GGIO1 Ind5		
	CTRL.BO14GGIO1.Ind5	stVal
BO14GGIO1 Ind6		
	CTRL.BO14GGIO1.Ind6	stVal
BO14GGIO1 Ind7		
	CTRL.BO14GGIO1.Ind7	stVal
BO14GGIO1 Ind8		
	CTRL.BO14GGIO1.Ind8	stVal
BO14GGIO1 Ind9		
	CTRL.BO14GGIO1.Ind9	stVal
BO14GGIO1 Ind10		
	CTRL.BO14GGIO1.Ind10	stVal
BO14GGIO1 Ind11		
	CTRL.BO14GGIO1.Ind11	stVal
BO14GGIO1 Ind12		
	CTRL.BO14GGIO1.Ind12	stVal
BO14GGIO1 Ind13		

Reyrolle 7SR220	DOI	DA Group
	CTRL.BO14GGIO1.Ind13	stVal
BO14GGIO1 Ind14		
	CTRL.BO14GGIO1.Ind14	stVal
L16GGIO1 Ind1		
	CTRL.L16GGIO1.Ind1	stVal
L16GGIO1 Ind2		
	CTRL.L16GGIO1.Ind2	stVal
L16GGIO1 Ind3		
	CTRL.L16GGIO1.Ind3	stVal
L16GGIO1 Ind4		
	CTRL.L16GGIO1.Ind4	stVal
L16GGIO1 Ind5		
	CTRL.L16GGIO1.Ind5	stVal
L16GGIO1 Ind6		
	CTRL.L16GGIO1.Ind6	stVal
L16GGIO1 Ind7		
	CTRL.L16GGIO1.Ind7	stVal
L16GGIO1 Ind8		
	CTRL.L16GGIO1.Ind8	stVal
L16GGIO1 Ind9		
	CTRL.L16GGIO1.Ind9	stVal
L16GGIO1 Ind10		
	CTRL.L16GGIO1.Ind10	stVal
L16GGIO1 Ind11		
	CTRL.L16GGIO1.Ind11	stVal
L16GGIO1 Ind12		
	CTRL.L16GGIO1.Ind12	stVal
L16GGIO1 Ind13		
	CTRL.L16GGIO1.Ind13	stVal
L16GGIO1 Ind14		
	CTRL.L16GGIO1.Ind14	stVal
L16GGIO1 Ind15		
	CTRL.L16GGIO1.Ind15	stVal
L16GGIO1 Ind16		
	CTRL.L16GGIO1.Ind16	stVal
V16GGIO1 Ind1		
	CTRL.V16GGIO1.Ind1	stVal
V16GGIO1 Ind2		
	CTRL.V16GGIO1.Ind2	stVal
V16GGIO1 Ind3		
	CTRL.V16GGIO1.Ind3	stVal

Reyrolle 7SR220	DOI	DA Group
V16GGIO1 Ind4		
	CTRL.V16GGIO1.Ind4	stVal
V16GGIO1 Ind5		
	CTRL.V16GGIO1.Ind5	stVal
V16GGIO1 Ind6		
	CTRL.V16GGIO1.Ind6	stVal
V16GGIO1 Ind7		
	CTRL.V16GGIO1.Ind7	stVal
V16GGIO1 Ind8		
	CTRL.V16GGIO1.Ind8	stVal
V16GGIO1 Ind9		
	CTRL.V16GGIO1.Ind9	stVal
V16GGIO1 Ind10		
	CTRL.V16GGIO1.Ind10	stVal
V16GGIO1 Ind11		
	CTRL.V16GGIO1.Ind11	stVal
V16GGIO1 Ind12		
	CTRL.V16GGIO1.Ind12	stVal
V16GGIO1 Ind13		
	CTRL.V16GGIO1.Ind13	stVal
V16GGIO1 Ind14		
	CTRL.V16GGIO1.Ind14	stVal
V16GGIO1 Ind15		
	CTRL.V16GGIO1.Ind15	stVal
V16GGIO1 Ind16		
	CTRL.V16GGIO1.Ind16	stVal
E16GGIO1 Ind1		
	CTRL.E16GGIO1.Ind1	stVal
E16GGIO1 Ind2		
	CTRL.E16GGIO1.Ind2	stVal
E16GGIO1 Ind3		
	CTRL.E16GGIO1.Ind3	stVal
E16GGIO1 Ind4		
	CTRL.E16GGIO1.Ind4	stVal
E16GGIO1 Ind5		
	CTRL.E16GGIO1.Ind5	stVal
E16GGIO1 Ind6		
	CTRL.E16GGIO1.Ind6	stVal
E16GGIO1 Ind7		
	CTRL.E16GGIO1.Ind7	stVal
E16GGIO1 Ind8		

Reyrolle 7SR220	DOI	DA Group
	CTRL.E16GGIO1.Ind8	stVal
E16GGIO1 Ind9		
	CTRL.E16GGIO1.Ind9	stVal
E16GGIO1 Ind10		
	CTRL.E16GGIO1.Ind10	stVal
E16GGIO1 Ind11		
	CTRL.E16GGIO1.Ind11	stVal
E16GGIO1 Ind12		
	CTRL.E16GGIO1.Ind12	stVal
E16GGIO1 Ind13		
	CTRL.E16GGIO1.Ind13	stVal
E16GGIO1 Ind14		
	CTRL.E16GGIO1.Ind14	stVal
E16GGIO1 Ind15		
	CTRL.E16GGIO1.Ind15	stVal
E16GGIO1 Ind16		
	CTRL.E16GGIO1.Ind16	stVal
DPI8GGIO1 DPCSO1 (OFF/OPEN)		
	CTRL.DPi8GGIO1.DPCSO1	ctlVal
DPI8GGIO1 DPCSO1 (ON/CLOSE)		
	CTRL.DPi8GGIO1.DPCSO1	ctlVal
DPI8GGIO1 DPCSO2 (OFF/OPEN)		
	CTRL.DPi8GGIO1.DPCSO2	ctlVal
DPI8GGIO1 DPCSO2 (ON/CLOSE)		
	CTRL.DPi8GGIO1.DPCSO2	ctlVal
DPI8GGIO1 DPCSO3 (OFF/OPEN)		
	CTRL.DPi8GGIO1.DPCSO3	ctlVal
DPI8GGIO1 DPCSO3 (ON/CLOSE)		
	CTRL.DPi8GGIO1.DPCSO3	ctlVal
DPI8GGIO1 DPCSO4 (OFF/OPEN)		
	CTRL.DPi8GGIO1.DPCSO4	ctlVal
DPI8GGIO1 DPCSO4 (ON/CLOSE)		
	CTRL.DPi8GGIO1.DPCSO4	ctlVal
DPI8GGIO1 DPCSO5 (OFF/OPEN)		
	CTRL.DPi8GGIO1.DPCSO5	ctlVal
DPI8GGIO1 DPCSO5 (ON/CLOSE)		
	CTRL.DPi8GGIO1.DPCSO5	ctlVal
DPI8GGIO1 DPCSO6 (OFF/OPEN)		
	CTRL.DPi8GGIO1.DPCSO6	ctlVal
DPI8GGIO1 DPCSO6 (ON/CLOSE)		
	CTRL.DPi8GGIO1.DPCSO6	ctlVal

Reyrolle 7SR220	DOI	DA Group
DPi8GGIO1 DPCSO7 (OFF/OPEN)		
	CTRL.DPi8GGIO1.DPCSO7	ctlVal
DPi8GGIO1 DPCSO7 (ON/CLOSE)		
	CTRL.DPi8GGIO1.DPCSO7	ctlVal
DPi8GGIO1 DPCSO8 (OFF/OPEN)		
	CTRL.DPi8GGIO1.DPCSO8	ctlVal
DPi8GGIO1 DPCSO8 (ON/CLOSE)		
	CTRL.DPi8GGIO1.DPCSO8	ctlVal
DPi8GGIO2 DPCSO1 (OFF/OPEN)		
	CTRL.DPi8GGIO2.DPCSO1	ctlVal
DPi8GGIO2 DPCSO1 (ON/CLOSE)		
	CTRL.DPi8GGIO2.DPCSO1	ctlVal
DPi8GGIO2 DPCSO2 (OFF/OPEN)		
	CTRL.DPi8GGIO2.DPCSO2	ctlVal
DPi8GGIO2 DPCSO2 (ON/CLOSE)		
	CTRL.DPi8GGIO2.DPCSO2	ctlVal
DPi8GGIO2 DPCSO3 (OFF/OPEN)		
	CTRL.DPi8GGIO2.DPCSO3	ctlVal
DPi8GGIO2 DPCSO3 (ON/CLOSE)		
	CTRL.DPi8GGIO2.DPCSO3	ctlVal
DPi8GGIO2 DPCSO4 (OFF/OPEN)		
	CTRL.DPi8GGIO2.DPCSO4	ctlVal
DPi8GGIO2 DPCSO4 (ON/CLOSE)		
	CTRL.DPi8GGIO2.DPCSO4	ctlVal
DPi8GGIO2 DPCSO5 (OFF/OPEN)		
	CTRL.DPi8GGIO2.DPCSO5	ctlVal
DPi8GGIO2 DPCSO5 (ON/CLOSE)		
	CTRL.DPi8GGIO2.DPCSO5	ctlVal
DPi8GGIO2 DPCSO6 (OFF/OPEN)		
	CTRL.DPi8GGIO2.DPCSO6	ctlVal
DPi8GGIO2 DPCSO6 (ON/CLOSE)		
	CTRL.DPi8GGIO2.DPCSO6	ctlVal
DPi8GGIO2 DPCSO7 (OFF/OPEN)		
	CTRL.DPi8GGIO2.DPCSO7	ctlVal
DPi8GGIO2 DPCSO7 (ON/CLOSE)		
	CTRL.DPi8GGIO2.DPCSO7	ctlVal
DPi8GGIO2 DPCSO8 (OFF/OPEN)		
	CTRL.DPi8GGIO2.DPCSO8	ctlVal
DPi8GGIO2 DPCSO8 (ON/CLOSE)		
	CTRL.DPi8GGIO2.DPCSO8	ctlVal
DPo8GGIO1 DPCSO1 (OFF/OPEN)		

Reyrolle 7SR220	DOI	DA Group
	CTRL.DPo8GGIO1.DPCSO1	stVal
DPo8GGIO1 DPCSO1 (ON/CLOSE)		
	CTRL.DPo8GGIO1.DPCSO1	stVal
DPo8GGIO1 DPCSO2 (OFF/OPEN)		
	CTRL.DPo8GGIO1.DPCSO2	stVal
DPo8GGIO1 DPCSO2 (ON/CLOSE)		
	CTRL.DPo8GGIO1.DPCSO2	stVal
DPo8GGIO1 DPCSO3 (OFF/OPEN)		
	CTRL.DPo8GGIO1.DPCSO3	stVal
DPo8GGIO1 DPCSO3 (ON/CLOSE)		
	CTRL.DPo8GGIO1.DPCSO3	stVal
DPo8GGIO1 DPCSO4 (OFF/OPEN)		
	CTRL.DPo8GGIO1.DPCSO4	stVal
DPo8GGIO1 DPCSO4 (ON/CLOSE)		
	CTRL.DPo8GGIO1.DPCSO4	stVal
DPo8GGIO1 DPCSO5 (OFF/OPEN)		
	CTRL.DPo8GGIO1.DPCSO5	stVal
DPo8GGIO1 DPCSO5 (ON/CLOSE)		
	CTRL.DPo8GGIO1.DPCSO5	stVal
DPo8GGIO1 DPCSO6 (OFF/OPEN)		
	CTRL.DPo8GGIO1.DPCSO6	stVal
DPo8GGIO1 DPCSO6 (ON/CLOSE)		
	CTRL.DPo8GGIO1.DPCSO6	stVal
DPo8GGIO1 DPCSO7 (OFF/OPEN)		
	CTRL.DPo8GGIO1.DPCSO7	stVal
DPo8GGIO1 DPCSO7 (ON/CLOSE)		
	CTRL.DPo8GGIO1.DPCSO7	stVal
DPo8GGIO1 DPCSO8 (OFF/OPEN)		
	CTRL.DPo8GGIO1.DPCSO8	stVal
DPo8GGIO1 DPCSO8 (ON/CLOSE)		
	CTRL.DPo8GGIO1.DPCSO8	stVal
DPo8GGIO2 DPCSO1 (OFF/OPEN)		
	CTRL.DPo8GGIO2.DPCSO1	stVal
DPo8GGIO2 DPCSO1 (ON/CLOSE)		
	CTRL.DPo8GGIO2.DPCSO1	stVal
DPo8GGIO2 DPCSO2 (OFF/OPEN)		
	CTRL.DPo8GGIO2.DPCSO2	stVal
DPo8GGIO2 DPCSO2 (ON/CLOSE)		
	CTRL.DPo8GGIO2.DPCSO2	stVal
DPo8GGIO2 DPCSO3 (OFF/OPEN)		
	CTRL.DPo8GGIO2.DPCSO3	stVal

Reyrolle 7SR220	DOI	DA Group
DPo8GGIO2 DPCSO3 (ON/CLOSE)		
	CTRL.DPo8GGIO2.DPCSO3	stVal
DPo8GGIO2 DPCSO4 (OFF/OPEN)		
	CTRL.DPo8GGIO2.DPCSO4	stVal
DPo8GGIO2 DPCSO4 (ON/CLOSE)		
	CTRL.DPo8GGIO2.DPCSO4	stVal
DPo8GGIO2 DPCSO5 (OFF/OPEN)		
	CTRL.DPo8GGIO2.DPCSO5	stVal
DPo8GGIO2 DPCSO5 (ON/CLOSE)		
	CTRL.DPo8GGIO2.DPCSO5	stVal
DPo8GGIO2 DPCSO6 (OFF/OPEN)		
	CTRL.DPo8GGIO2.DPCSO6	stVal
DPo8GGIO2 DPCSO6 (ON/CLOSE)		
	CTRL.DPo8GGIO2.DPCSO6	stVal
DPo8GGIO2 DPCSO7 (OFF/OPEN)		
	CTRL.DPo8GGIO2.DPCSO7	stVal
DPo8GGIO2 DPCSO7 (ON/CLOSE)		
	CTRL.DPo8GGIO2.DPCSO7	stVal
DPo8GGIO2 DPCSO8 (OFF/OPEN)		
	CTRL.DPo8GGIO2.DPCSO8	stVal
DPo8GGIO2 DPCSO8 (ON/CLOSE)		
	CTRL.DPo8GGIO2.DPCSO8	stVal

1.4 Function – Control

Reyrolle 7SR220	DOI	DA Group
NOT Relay Mode Remote		
	CTRL.Q0CSWI1.Loc	stVal
	CTRL.Q0XCBR1.Loc	stVal
	CTRL.LLN0CTRL.Loc	stVal
Q0 Open CB		
	CTRL.Q0CSWI1.Pos	ctlVal
Q0 Close CB		
	CTRL.Q0CSWI1.Pos	ctlVal
Q0 CB Closed		
	CTRL.Q0CSWI1.Pos	stVal
	CTRL.Q0XCBR1.Pos	stVal
Q0 CB Open		
	CTRL.Q0CSWI1.Pos	stVal
	CTRL.Q0XCBR1.Pos	stVal
Block Close CB Q0		
	CTRL.Q0XCBR1.BlkCls	stVal
Not Block Close CB Q0		
	CTRL.Q0CILO1.EnaCls	stVal
SPDOns 1 (OFF/OPEN)		
	CTRL.SPDOnsGGIO1.SPCSO	ctlVal
SPDOns 1 (ON/CLOSE)		
	CTRL.SPDOnsGGIO1.SPCSO	ctlVal
SPDOns 1 Status (ON/CLOSED)		
	CTRL.SPDOnsGGIO1.SPCSO	stVal
SPDOns 2 (OFF/OPEN)		
	CTRL.SPDOnsGGIO2.SPCSO	ctlVal
SPDOns 2 (ON/CLOSE)		
	CTRL.SPDOnsGGIO2.SPCSO	ctlVal
SPDOns 2 Status (ON/CLOSED)		
	CTRL.SPDOnsGGIO2.SPCSO	stVal
SPDOns 3 (OFF/OPEN)		
	CTRL.SPDOnsGGIO3.SPCSO	ctlVal
SPDOns 3 (ON/CLOSE)		
	CTRL.SPDOnsGGIO3.SPCSO	ctlVal
SPDOns 3 Status (ON/CLOSED)		
	CTRL.SPDOnsGGIO3.SPCSO	stVal
SPDOns 4 (OFF/OPEN)		
	CTRL.SPDOnsGGIO4.SPCSO	ctlVal

Reyrolle 7SR220	DOI	DA Group
SPDOs 4 (ON/CLOSE)		
	CTRL.SPDOsGGIO4.SPCSO	ctVal
SPDOs 4 Status (ON/CLOSED)		
	CTRL.SPDOsGGIO4.SPCSO	stVal
SPDOes 1 (OFF/OPEN)		
	CTRL.SPDOesGGIO1.SPCSO	ctVal
SPDOes 1 (ON/CLOSE)		
	CTRL.SPDOesGGIO1.SPCSO	ctVal
SPDOes 1 Status (ON/CLOSED)		
	CTRL.SPDOesGGIO1.SPCSO	stVal
SPDOes 2 (OFF/OPEN)		
	CTRL.SPDOesGGIO2.SPCSO	ctVal
SPDOes 2 (ON/CLOSE)		
	CTRL.SPDOesGGIO2.SPCSO	ctVal
SPDOes 2 Status (ON/CLOSED)		
	CTRL.SPDOesGGIO2.SPCSO	stVal
SPDOes 3 (OFF/OPEN)		
	CTRL.SPDOesGGIO3.SPCSO	ctVal
SPDOes 3 (ON/CLOSE)		
	CTRL.SPDOesGGIO3.SPCSO	ctVal
SPDOes 3 Status (ON/CLOSED)		
	CTRL.SPDOesGGIO3.SPCSO	stVal
SPDOes 4 (OFF/OPEN)		
	CTRL.SPDOesGGIO4.SPCSO	ctVal
SPDOes 4 (ON/CLOSE)		
	CTRL.SPDOesGGIO4.SPCSO	ctVal
SPDOes 4 Status (ON/CLOSED)		
	CTRL.SPDOesGGIO4.SPCSO	stVal
DPDOs 1 (OFF/OPEN)		
	CTRL.DPDOsGGIO1.DPCSO	ctVal
DPDOs 1 (ON/CLOSE)		
	CTRL.DPDOsGGIO1.DPCSO	ctVal
DPDOs 1 Status (OFF/OPEN)		
	CTRL.DPDOsGGIO1.DPCSO	stVal
DPDOs 1 Status (ON/CLOSED)		
	CTRL.DPDOsGGIO1.DPCSO	stVal
DPDOs 2 (OFF/OPEN)		
	CTRL.DPDOsGGIO2.DPCSO	ctVal
DPDOs 2 (ON/CLOSE)		
	CTRL.DPDOsGGIO2.DPCSO	ctVal
DPDOs 2 Status (OFF/OPEN)		

Reyrolle 7SR220	DOI	DA Group
	CTRL.DPDOsGGIO2.DPCSO	stVal
DPDOs 2 Status (ON/CLOSED)		
	CTRL.DPDOsGGIO2.DPCSO	stVal
DPDOs 3 (OFF/OPEN)		
	CTRL.DPDOsGGIO3.DPCSO	ctVal
DPDOs 3 (ON/CLOSE)		
	CTRL.DPDOsGGIO3.DPCSO	ctVal
DPDOs 3 Status (OFF/OPEN)		
	CTRL.DPDOsGGIO3.DPCSO	stVal
DPDOs 3 Status (ON/CLOSED)		
	CTRL.DPDOsGGIO3.DPCSO	stVal
DPDOs 4 (OFF/OPEN)		
	CTRL.DPDOsGGIO4.DPCSO	ctVal
DPDOs 4 (ON/CLOSE)		
	CTRL.DPDOsGGIO4.DPCSO	ctVal
DPDOs 4 Status (OFF/OPEN)		
	CTRL.DPDOsGGIO4.DPCSO	stVal
DPDOs 4 Status (ON/CLOSED)		
	CTRL.DPDOsGGIO4.DPCSO	stVal
DPDOes 1 (OFF/OPEN)		
	CTRL.DPDOesGGIO1.DPCSO	ctVal
DPDOes 1 (ON/CLOSE)		
	CTRL.DPDOesGGIO1.DPCSO	ctVal
DPDOes 1 Status (OFF/OPEN)		
	CTRL.DPDOesGGIO1.DPCSO	stVal
DPDOes 1 Status (ON/CLOSED)		
	CTRL.DPDOesGGIO1.DPCSO	stVal
DPDOes 2 (OFF/OPEN)		
	CTRL.DPDOesGGIO2.DPCSO	ctVal
DPDOes 2 (ON/CLOSE)		
	CTRL.DPDOesGGIO2.DPCSO	ctVal
DPDOes 2 Status (OFF/OPEN)		
	CTRL.DPDOesGGIO2.DPCSO	stVal
DPDOes 2 Status (ON/CLOSED)		
	CTRL.DPDOesGGIO2.DPCSO	stVal
DPDOes 3 (OFF/OPEN)		
	CTRL.DPDOesGGIO3.DPCSO	ctVal
DPDOes 3 (ON/CLOSE)		
	CTRL.DPDOesGGIO3.DPCSO	ctVal
DPDOes 3 Status (OFF/OPEN)		
	CTRL.DPDOesGGIO3.DPCSO	stVal

Reyrolle 7SR220	DOI	DA Group
DPDOes 3 Status (ON/CLOSED)		
	CTRL.DPDOesGGIO3.DPCSO	stVal
DPDOes 4 (OFF/OPEN)		
	CTRL.DPDOesGGIO4.DPCSO	ctlVal
DPDOes 4 (ON/CLOSE)		
	CTRL.DPDOesGGIO4.DPCSO	ctlVal
DPDOes 4 Status (OFF/OPEN)		
	CTRL.DPDOesGGIO4.DPCSO	stVal
DPDOes 4 Status (ON/CLOSED)		
	CTRL.DPDOesGGIO4.DPCSO	stVal
Always '0'		
	CTRL.Q0XCBR1.BlkOpn	stVal
	PROT.LLN0 PROT.SGCB	EditSG
	PROT.LLN0 PROT.SGCB	CnfEdit
Always '1'		
	CTRL.Q0CILO1.EnaOpn	stVal

2. IEC61850 - REYROLLE 7SR220

2.1 L Device – PROT (Protection)

LLNO PROT		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SGCB		
	NumOfSG	Num 61850 Controllable Setting Groups
	ActSG	Active Setting Group
	EditSG	Always '0'
	CnfEdit	Always '0'

LPHD1 PROT		
DOI	DA Group	Reyrolle 7SR220
PhyHealth		
	stVal	ProtectionHealthy
PhyNam		
	model	MLFB Number
	serNum	Serial Number
	swRev	Software Revision
	vendor	Vendor Name

PTRC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	ProtectionActive
Beh		
	stVal	ProtectionActive
Str		
	general	General Pickup
Op		
	general	Any Overcurrent Operated
Tr		
	general	Trip Contact Operated

A51PTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase Overcurrent Enabled 51-1 Enabled Inhibit 51-1
Beh		
	stVal	Phase Overcurrent Enabled 51-1 Enabled Inhibit 51-1
Str		
	general (3-pole) dirGeneral (3-pole) phsA (L1) dirPhsA (L1) phsB (L2) dirPhsB (L2) phsC (L3) dirPhsC (L3)	51-1 PhA Pickup 51-1 PhB Pickup 51-1 PhC Pickup 51-1 PhA Dir Pickup 51-1 PhB Dir Pickup 51-1 PhC Dir Pickup 51-1 PhA Pickup 51-1 PhA Dir Pickup 51-1 PhB Pickup 51-1 PhB Dir Pickup 51-1 PhC Pickup 51-1 PhC Dir Pickup
Op		
	general (3-pole)	51-1 Operated

A51PTOC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase Overcurrent Enabled 51-2Enabled Inhibit 51-2
Beh		
	stVal	Phase Overcurrent Enabled 51-2Enabled Inhibit 51-2
Str		
	general (3-pole) dirGeneral (3-pole) phsA (L1) dirPhsA (L1) phsB (L2) dirPhsB (L2) phsC (L3) dirPhsC (L3)	51-2 PhA Pickup 51-2 PhB Pickup 51-2 PhC Pickup 51-2 PhA Dir Pickup 51-2 PhB Dir Pickup 51-2 PhC Dir Pickup 51-2 PhA Pickup 51-2 PhA Dir Pickup 51-2 PhB Pickup 51-2 PhB Dir Pickup 51-2 PhC Pickup 51-2 PhC Dir Pickup
Op		
	general (3-pole)	51-2 Operated

A51PTOC3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase Overcurrent Enabled 51-3 Enabled Inhibit 51-3
Beh		
	stVal	Phase Overcurrent Enabled 51-3 Enabled Inhibit 51-3
Str		
	general (3-pole)	51-3 PhA Pickup 51-3 PhB Pickup 51-3 PhC Pickup
	dirGeneral (3-pole)	51-3 PhA Dir Pickup 51-3 PhB Dir Pickup 51-3 PhC Dir Pickup
	phsA (L1)	51-3 PhA Pickup
	dirPhsA (L1)	51-3 PhA Dir Pickup
	phsB (L2)	51-3 PhB Pickup
	dirPhsB (L2)	51-3 PhB Dir Pickup
	phsC (L3)	51-3 PhC Pickup
	dirPhsC (L3)	51-3 PhC Dir Pickup
Op		
	general (3-pole)	51-3 Operated

A51PTOC4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase Overcurrent Enabled 51-4 Enabled Inhibit 51-4
Beh		
	stVal	Phase Overcurrent Enabled 51-4 Enabled Inhibit 51-4
Str		
	general (3-pole) dirGeneral (3-pole) phsA (L1) dirPhsA (L1) phsB (L2) dirPhsB (L2) phsC (L3) dirPhsC (L3)	51-4 PhA Pickup 51-4 PhB Pickup 51-4 PhC Pickup 51-4 PhA Dir Pickup 51-4 PhB Dir Pickup 51-4 PhC Dir Pickup 51-4 PhA Pickup 51-4 PhA Dir Pickup 51-4 PhB Pickup 51-4 PhB Dir Pickup 51-4 PhC Pickup 51-4 PhC Dir Pickup
Op		
	general (3-pole)	51-4 Operated

A50PTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase Overcurrent Enabled 50-1 Enabled Inhibit 50-1
Beh		
	stVal	Phase Overcurrent Enabled 50-1 Enabled Inhibit 50-1
Str		
	general (3-pole)	50-1 PhA Pickup 50-1 PhB Pickup 50-1 PhC Pickup
	dirGeneral (3-pole)	50-1 PhA Dir Pickup 50-1 PhB Dir Pickup 50-1 PhC Dir Pickup
	phsA (L1)	50-1 PhA Pickup
	dirPhsA (L1)	50-1 PhA Dir Pickup
	phsB (L2)	50-1 PhB Pickup
	dirPhsB (L2)	50-1 PhB Dir Pickup
	phsC (L3)	50-1 PhC Pickup
	dirPhsC (L3)	50-1 PhC Dir Pickup
Op		
	general (3-pole)	50-1 Operated

A50PTOC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase Overcurrent Enabled 50-2 Enabled Inhibit 50-2
Beh		
	stVal	Phase Overcurrent Enabled 50-2 Enabled Inhibit 50-2
Str		
	general (3-pole) dirGeneral (3-pole) phsA (L1) dirPhsA (L1) phsB (L2) dirPhsB (L2) phsC (L3) dirPhsC (L3)	50-2 PhA Pickup 50-2 PhB Pickup 50-2 PhC Pickup 50-2 PhA Dir Pickup 50-2 PhB Dir Pickup 50-2 PhC Dir Pickup 50-2 PhA Pickup 50-2 PhA Dir Pickup 50-2 PhB Pickup 50-2 PhB Dir Pickup 50-2 PhC Pickup 50-2 PhC Dir Pickup
Op		
	general (3-pole)	50-2 Operated

A50PTOC3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase Overcurrent Enabled 50-3 Enabled Inhibit 50-3
Beh		
	stVal	Phase Overcurrent Enabled 50-3 Enabled Inhibit 50-3
Str		
	general (3-pole) dirGeneral (3-pole) phsA (L1) dirPhsA (L1) phsB (L2) dirPhsB (L2) phsC (L3) dirPhsC (L3)	50-3 PhA Pickup 50-3 PhB Pickup 50-3 PhC Pickup 50-3 PhA Dir Pickup 50-3 PhB Dir Pickup 50-3 PhC Dir Pickup 50-3 PhA Pickup 50-3 PhA Dir Pickup 50-3 PhB Pickup 50-3 PhB Dir Pickup 50-3 PhC Pickup 50-3 PhC Dir Pickup
Op		
	general (3-pole)	50-3 Operated

A50PTOC4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase Overcurrent Enabled 50-4 Enabled Inhibit 50-4
Beh		
	stVal	Phase Overcurrent Enabled 50-4 Enabled Inhibit 50-4
Str		
	general (3-pole) dirGeneral (3-pole) phsA (L1) dirPhsA (L1) phsB (L2) dirPhsB (L2) phsC (L3) dirPhsC (L3)	50-4 PhA Pickup 50-4 PhB Pickup 50-4 PhC Pickup 50-4 PhA Dir Pickup 50-4 PhB Dir Pickup 50-4 PhC Dir Pickup 50-4 PhA Pickup 50-4 PhA Dir Pickup 50-4 PhB Pickup 50-4 PhB Dir Pickup 50-4 PhC Pickup 50-4 PhC Dir Pickup
Op		
	general (3-pole)	50-4 Operated

A51nPTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Derived E/F Enabled 51N-1 Enabled Inhibit 51N-1
Beh		
	stVal	Derived E/F Enabled 51N-1 Enabled Inhibit 51N-1
Str		
	general dirGeneral	51N-1 Pickup 51N-1 Dir Pickup
Op		
	general	51N-1 Operated

A51nPTOC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Derived E/F Enabled 51N-2 Enabled Inhibit 51N-2
Beh		
	stVal	Derived E/F Enabled 51N-2 Enabled Inhibit 51N-2
Str		
	general dirGeneral	51N-2 Pickup 51N-2 Dir Pickup
Op		
	general	51N-2 Operated

A51nPTOC3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Derived E/F Enabled 51N-3 Enabled Inhibit 51N-3
Beh		
	stVal	Derived E/F Enabled 51N-3 Enabled Inhibit 51N-3
Str		
	general dirGeneral	51N-3 Pickup 51N-3 Dir Pickup
Op		
	general	51N-3 Operated

A51nPTOC4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Derived E/F Enabled 51N-4 Enabled Inhibit 51N-4
Beh		
	stVal	Derived E/F Enabled 51N-4 Enabled Inhibit 51N-4
Str		
	general dirGeneral	51N-4 Pickup 51N-4 Dir Pickup
Op		
	general	51N-4 Operated

A50nPTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Derived E/F Enabled 50N-1 Enabled Inhibit 50N-1
Beh		
	stVal	Derived E/F Enabled 50N-1 Enabled Inhibit 50N-1
Str		
	general dirGeneral	50N-1 Pickup 50N-1 Dir Pickup
Op		
	general	50N-1 Operated

A50nPTOC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Derived E/F Enabled 50N-2 Enabled Inhibit 50N-2
Beh		
	stVal	Derived E/F Enabled 50N-2 Enabled Inhibit 50N-2
Str		
	general dirGeneral	50N-2 Pickup 50N-2 Dir Pickup
Op		
	general	50N-2 Operated

A50nPTOC3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Derived E/F Enabled 50N-3 Enabled Inhibit 50N-3
Beh		
	stVal	Derived E/F Enabled 50N-3 Enabled Inhibit 50N-3
Str		
	general dirGeneral	50N-3 Pickup 50N-3 Dir Pickup
Op		
	general	50N-3 Operated

A50nPTOC4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Derived E/F Enabled 50N-4 Enabled Inhibit 50N-4
Beh		
	stVal	Derived E/F Enabled 50N-4 Enabled Inhibit 50N-4
Str		
	general dirGeneral	50N-4 Pickup 50N-4 Dir Pickup
Op		
	general	50N-4 Operated

A51gPTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Measured E/F Enabled 51G-1 Enabled Inhibit 51G-1
Beh		
	stVal	Measured E/F Enabled 51G-1 Enabled Inhibit 51G-1
Str		
	general dirGeneral	51G-1 Pickup 51G-1 Dir Pickup
Op		
	general	51G-1 Operated

A51gPTOC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Measured E/F Enabled 51G-2 Enabled Inhibit 51G-2
Beh		
	stVal	Measured E/F Enabled 51G-2 Enabled Inhibit 51G-2
Str		
	general dirGeneral	51G-2 Pickup 51G-2 Dir Pickup
Op		
	general	51G-2 Operated

A51gPTOC3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Measured E/F Enabled 51G-3 Enabled Inhibit 51G-3
Beh		
	stVal	Measured E/F Enabled 51G-3 Enabled Inhibit 51G-3
Str		
	general dirGeneral	51G-3 Pickup 51G-3 Dir Pickup
Op		
	general	51G-3 Operated

A51gPTOC4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Measured E/F Enabled 51G-4 Enabled Inhibit 51G-4
Beh		
	stVal	Measured E/F Enabled 51G-4 Enabled Inhibit 51G-4
Str		
	general dirGeneral	51G-4 Pickup 51G-4 Dir Pickup
Op		
	general	51G-4 Operated

A50gPTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Measured E/F Enabled 50G-1 Enabled Inhibit 50G-1
Beh		
	stVal	Measured E/F Enabled 50G-1 Enabled Inhibit 50G-1
Str		
	general dirGeneral	50G-1 Pickup 50G-1 Dir Pickup
Op		
	general	50G-1 Operated

A50gPTOC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Measured E/F Enabled 50G-2 Enabled Inhibit 50G-2
Beh		
	stVal	Measured E/F Enabled 50G-2 Enabled Inhibit 50G-2
Str		
	general dirGeneral	50G-2 Pickup 50G-2 Dir Pickup
Op		
	general	50G-2 Operated

A50gPTOC3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Measured E/F Enabled 50G-3 Enabled Inhibit 50G-3
Beh		
	stVal	Measured E/F Enabled 50G-3 Enabled Inhibit 50G-3
Str		
	general dirGeneral	50G-3 Pickup 50G-3 Dir Pickup
Op		
	general	50G-3 Operated

A50gPTOC4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Measured E/F Enabled 50G-4 Enabled Inhibit 50G-4
Beh		
	stVal	Measured E/F Enabled 50G-4 Enabled Inhibit 50G-4
Str		
	general dirGeneral	50G-4 Pickup 50G-4 Dir Pickup
Op		
	general	50G-4 Operated

A51SefPTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Sensitive E/F Enabled 51SEF-1 Enabled Inhibit 51SEF-1
Beh		
	stVal	Sensitive E/F Enabled 51SEF-1 Enabled Inhibit 51SEF-1
Str		
	general dirGeneral	51SEF-1 Pickup 51SEF-1 Dir Pickup
Op		
	general	51SEF-1 Operated

A51SefPTOC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Sensitive E/F Enabled 51SEF-2 Enabled Inhibit 51SEF-2
Beh		
	stVal	Sensitive E/F Enabled 51SEF-2 Enabled Inhibit 51SEF-2
Str		
	general dirGeneral	51SEF-2 Pickup 51SEF-2 Dir Pickup
Op		
	general	51SEF-2 Operated

A51SefPTOC3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Sensitive E/F Enabled 51SEF-3 Enabled Inhibit 51SEF-3
Beh		
	stVal	Sensitive E/F Enabled 51SEF-3 Enabled Inhibit 51SEF-3
Str		
	general dirGeneral	51SEF-3 Pickup 51SEF-3 Dir Pickup
Op		
	general	51SEF-3 Operated

A51SefPTOC4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Sensitive E/F Enabled 51SEF-4 Enabled Inhibit 51SEF-4
Beh		
	stVal	Sensitive E/F Enabled 51SEF-4 Enabled Inhibit 51SEF-4
Str		
	general dirGeneral	51SEF-4 Pickup 51SEF-4 Dir Pickup
Op		
	general	51SEF-4 Operated

A50SefPTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Sensitive E/F Enabled 50SEF-1 Enabled Inhibit 50SEF-1
Beh		
	stVal	Sensitive E/F Enabled 50SEF-1 Enabled Inhibit 50SEF-1
Str		
	general dirGeneral	50SEF-1 Pickup 50SEF-1 Dir Pickup
Op		
	general	50SEF-1 Operated

A50SefPTOC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Sensitive E/F Enabled 50SEF-2 Enabled Inhibit 50SEF-2
Beh		
	stVal	Sensitive E/F Enabled 50SEF-2 Enabled Inhibit 50SEF-2
Str		
	general dirGeneral	50SEF-2 Pickup 50SEF-2 Dir Pickup
Op		
	general	50SEF-2 Operated

A50SefPTOC3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Sensitive E/F Enabled 50SEF-3 Enabled Inhibit 50SEF-3
Beh		
	stVal	Sensitive E/F Enabled 50SEF-3 Enabled Inhibit 50SEF-3
Str		
	general dirGeneral	50SEF-3 Pickup 50SEF-3 Dir Pickup
Op		
	general	50SEF-3 Operated

A50SefPTOC4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Sensitive E/F Enabled 50SEF-4 Enabled Inhibit 50SEF-4
Beh		
	stVal	Sensitive E/F Enabled 50SEF-4 Enabled Inhibit 50SEF-4
Str		
	general dirGeneral	50SEF-4 Pickup 50SEF-4 Dir Pickup
Op		
	general	50SEF-4 Operated

A64hPTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Restricted E/F Enabled 64H Enabled Inhibit 64H
Beh		
	stVal	Restricted E/F Enabled 64H Enabled Inhibit 64H
Str		
	general	64H Pickup
Op		
	general	64H Operated

A46ItPTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	NPS Overcurrent Enabled 46IT Enabled Inhibit 46IT
Beh		
	stVal	NPS Overcurrent Enabled 46IT Enabled Inhibit 46IT
Str		
	general	46IT Pickup
Op		
	general	46IT Operated

A46DtPTOC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	NPS Overcurrent Enabled 46DT Enabled Inhibit 46DT
Beh		
	stVal	NPS Overcurrent Enabled 46DT Enabled Inhibit 46DT
Str		
	general	46DT Pickup
Op		
	general	46DT Operated

A37PTUC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Under Current Enabled 37-1 Enabled Inhibit 37-1
Beh		
	stVal	Under Current Enabled 37-1 Enabled Inhibit 37-1
Str		
	general (3-pole)	37-1 PhA Pickup 37-1 PhB Pickup 37-1 PhC Pickup
	phsA (L1)	37-1 PhA Pickup
	phsB (L2)	37-1 PhB Pickup
	phsC (L3)	37-1 PhC Pickup
Op		
	general (3-pole)	37-1 Operated

A37PTUC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Under Current Enabled 37-2 Enabled Inhibit 37-2
Beh		
	stVal	Under Current Enabled 37-2 Enabled Inhibit 37-2
Str		
	general (3-pole) phsA (L1) phsB (L2) phsC (L3)	37-2 PhA Pickup 37-2 PhB Pickup 37-2 PhC Pickup 37-2 PhA Pickup 37-2 PhB Pickup 37-2 PhC Pickup
Op		
	general (3-pole)	37-2 Operated

A37gPTUC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Under Current Enabled 37G-1 Enabled Inhibit 37G-1
Beh		
	stVal	Under Current Enabled 37G-1 Enabled Inhibit 37G-1
Str		
	general	37G-1 Pickup
Op		
	general	37G-1 Operated

A37gPTUC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Under Current Enabled 37G-2 Enabled Inhibit 37G-2
Beh		
	stVal	Under Current Enabled 37G-2 Enabled Inhibit 37G-2
Str		
	general	37G-2 Pickup
Op		
	general	37G-2 Operated

A37SefPTUC1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Under Current Enabled 37SEF-1 Enabled Inhibit 37SEF-1
Beh		
	stVal	Under Current Enabled 37SEF-1 Enabled Inhibit 37SEF-1
Str		
	general	37SEF-1 Pickup
Op		
	general	37SEF-1 Operated

A37SefPTUC2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Under Current Enabled 37SEF-2 Enabled Inhibit 37SEF-2
Beh		
	stVal	Under Current Enabled 37SEF-2 Enabled Inhibit 37SEF-2
Str		
	general	37SEF-2 Pickup
Op		
	general	37SEF-2 Operated

A49PTTR1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	49 Thermal Overload Enabled Inhibit 49
Beh		
	stVal	49 Thermal Overload Enabled Inhibit 49
Str		
	general	49 Pickup
Op		
	general	49 Operated
AlmThm		
	general	49 Alarm

A2759PTOV1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase U/O Voltage Enabled 27/59-1 Enabled Inhibit 27/59-1
Beh		
	stVal	Phase U/O Voltage Enabled 27/59-1 Enabled Inhibit 27/59-1
Str		
	general (3-pole)	27/59-1 PhA Pickup 27/59-1 PhB Pickup 27/59-1 PhC Pickup
	phsA (L1)	27/59-1 PhA Pickup
	phsB (L2)	27/59-1 PhB Pickup
	phsC (L3)	27/59-1 PhC Pickup
Op		
	general (3-pole)	27/59-1 Operated

A2759PTUV1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase U/O Voltage Enabled 27/59-1 Enabled Inhibit 27/59-1
Beh		
	stVal	Phase U/O Voltage Enabled 27/59-1 Enabled Inhibit 27/59-1
Str		
	general (3-pole)	27/59-1 PhA Pickup 27/59-1 PhB Pickup 27/59-1 PhC Pickup
	phsA (L1)	27/59-1 PhA Pickup
	phsB (L2)	27/59-1 PhB Pickup
	phsC (L3)	27/59-1 PhC Pickup
Op		
	general (3-pole)	27/59-1 Operated

A2759PTOV2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase U/O Voltage Enabled 27/59-2 Enabled Inhibit 27/59-2
Beh		
	stVal	Phase U/O Voltage Enabled 27/59-2 Enabled Inhibit 27/59-2
Str		
	general (3-pole)	27/59-2 PhA Pickup 27/59-2 PhB Pickup 27/59-2 PhC Pickup
	phsA (L1)	27/59-2 PhA Pickup
	phsB (L2)	27/59-2 PhB Pickup
	phsC (L3)	27/59-2 PhC Pickup
Op		
	general (3-pole)	27/59-2 Operated

A2759PTUV2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase U/O Voltage Enabled 27/59-2 Enabled Inhibit 27/59-2
Beh		
	stVal	Phase U/O Voltage Enabled 27/59-2 Enabled Inhibit 27/59-2
Str		
	general (3-pole)	27/59-2 PhA Pickup 27/59-2 PhB Pickup 27/59-2 PhC Pickup
	phsA (L1)	27/59-2 PhA Pickup
	phsB (L2)	27/59-2 PhB Pickup
	phsC (L3)	27/59-2 PhC Pickup
Op		
	general (3-pole)	27/59-2 Operated

A2759PTOV3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase U/O Voltage Enabled 27/59-3 Enabled Inhibit 27/59-3
Beh		
	stVal	Phase U/O Voltage Enabled 27/59-3 Enabled Inhibit 27/59-3
Str		
	general (3-pole)	27/59-3 PhA Pickup 27/59-3 PhB Pickup 27/59-3 PhC Pickup
	phsA (L1)	27/59-3 PhA Pickup
	phsB (L2)	27/59-3 PhB Pickup
	phsC (L3)	27/59-3 PhC Pickup
Op		
	general (3-pole)	27/59-3 Operated

A2759PTUV3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase U/O Voltage Enabled 27/59-3 Enabled Inhibit 27/59-3
Beh		
	stVal	Phase U/O Voltage Enabled 27/59-3 Enabled Inhibit 27/59-3
Str		
	general (3-pole)	27/59-3 PhA Pickup 27/59-3 PhB Pickup 27/59-3 PhC Pickup
	phsA (L1)	27/59-3 PhA Pickup
	phsB (L2)	27/59-3 PhB Pickup
	phsC (L3)	27/59-3 PhC Pickup
Op		
	general (3-pole)	27/59-3 Operated

A2759PTOV4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase U/O Voltage Enabled 27/59-4 Enabled Inhibit 27/59-4
Beh		
	stVal	Phase U/O Voltage Enabled 27/59-4 Enabled Inhibit 27/59-4
Str		
	general (3-pole)	27/59-4 PhA Pickup 27/59-4 PhB Pickup 27/59-4 PhC Pickup
	phsA (L1)	27/59-4 PhA Pickup
	phsB (L2)	27/59-4 PhB Pickup
	phsC (L3)	27/59-4 PhC Pickup
Op		
	general (3-pole)	27/59-4 Operated

A2759PTUV4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Phase U/O Voltage Enabled 27/59-4 Enabled Inhibit 27/59-4
Beh		
	stVal	Phase U/O Voltage Enabled 27/59-4 Enabled Inhibit 27/59-4
Str		
	general (3-pole)	27/59-4 PhA Pickup 27/59-4 PhB Pickup 27/59-4 PhC Pickup
	phsA (L1)	27/59-4 PhA Pickup
	phsB (L2)	27/59-4 PhB Pickup
	phsC (L3)	27/59-4 PhC Pickup
Op		
	general (3-pole)	27/59-4 Operated

A2759PTOV5		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Vx 27/59 Enabled Inhibit Vx 27/59
Beh		
	stVal	Vx 27/59 Enabled Inhibit Vx 27/59
Str		
	general	Vx 27/59 Pickup
Op		
	general	Vx 27/59 Operated

A2759PTUV5		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Vx 27/59 Enabled Inhibit Vx 27/59
Beh		
	stVal	Vx 27/59 Enabled Inhibit Vx 27/59
Str		
	general	Vx 27/59 Pickup
Op		
	general	Vx 27/59 Operated

A47PTOV1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	NPS Over Voltage Enabled 47-1 Enabled Inhibit 47-1
Beh		
	stVal	NPS Over Voltage Enabled 47-1 Enabled Inhibit 47-1
Str		
	general	47-1 Pickup
Op		
	general	47-1 Operated

A47PTOV2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	NPS Over Voltage Enabled 47-2 Enabled Inhibit 47-2
Beh		
	stVal	NPS Over Voltage Enabled 47-2 Enabled Inhibit 47-2
Str		
	general	47-2 Pickup
Op		
	general	47-2 Operated

A59nitPTOV1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Neutral Overvoltage Enabled 59NIT Enabled Inhibit 59NIT
Beh		
	stVal	Neutral Overvoltage Enabled 59NIT Enabled Inhibit 59NIT
Str		
	general	59NIT Pickup
Op		
	general	59NIT Operated

A59nDtPTOV1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	Neutral Overvoltage Enabled 59NDT Enabled Inhibit 59NDT
Beh		
	stVal	Neutral Overvoltage Enabled 59NDT Enabled Inhibit 59NDT
Str		
	general	59NDT Pickup
Op		
	general	59NDT Operated

A81PTOF1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-1 Enabled Inhibit 81-1
Beh		
	stVal	U/O Frequency Enabled 81-1 Enabled Inhibit 81-1
Str		
	general	81-1 Pickup
Op		
	general	81-1 Operated

A81PTUF1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-1 Enabled Inhibit 81-1
Beh		
	stVal	U/O Frequency Enabled 81-1 Enabled Inhibit 81-1
Str		
	general	81-1 Pickup
Op		
	general	81-1 Operated

A81PTOF2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-2 Enabled Inhibit 81-2
Beh		
	stVal	U/O Frequency Enabled 81-2 Enabled Inhibit 81-2
Str		
	general	81-2 Pickup
Op		
	general	81-2 Operated

A81PTUF2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-2 Enabled Inhibit 81-2
Beh		
	stVal	U/O Frequency Enabled 81-2 Enabled Inhibit 81-2
Str		
	general	81-2 Pickup
Op		
	general	81-2 Operated

A81PTOF3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-3 Enabled Inhibit 81-3
Beh		
	stVal	U/O Frequency Enabled 81-3 Enabled Inhibit 81-3
Str		
	general	81-3 Pickup
Op		
	general	81-3 Operated

A81PTUF3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-3 Enabled Inhibit 81-3
Beh		
	stVal	U/O Frequency Enabled 81-3 Enabled Inhibit 81-3
Str		
	general	81-3 Pickup
Op		
	general	81-3 Operated

A81PTOF4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-4 Enabled Inhibit 81-4
Beh		
	stVal	U/O Frequency Enabled 81-4 Enabled Inhibit 81-4
Str		
	general	81-4 Pickup
Op		
	general	81-4 Operated

A81PTUF4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-4 Enabled Inhibit 81-4
Beh		
	stVal	U/O Frequency Enabled 81-4 Enabled Inhibit 81-4
Str		
	general	81-4 Pickup
Op		
	general	81-4 Operated

A81PTOF5		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-5 Enabled Inhibit 81-5
Beh		
	stVal	U/O Frequency Enabled 81-5 Enabled Inhibit 81-5
Str		
	general	81-5 Pickup
Op		
	general	81-5 Operated

A81PTUF5		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-5 Enabled Inhibit 81-5
Beh		
	stVal	U/O Frequency Enabled 81-5 Enabled Inhibit 81-5
Str		
	general	81-5 Pickup
Op		
	general	81-5 Operated

A81PTOF6		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-6 Enabled Inhibit 81-6
Beh		
	stVal	U/O Frequency Enabled 81-6 Enabled Inhibit 81-6
Str		
	general	81-6 Pickup
Op		
	general	81-6 Operated

A81PTUF6		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	U/O Frequency Enabled 81-6 Enabled Inhibit 81-6
Beh		
	stVal	U/O Frequency Enabled 81-6 Enabled Inhibit 81-6
Str		
	general	81-6 Pickup
Op		
	general	81-6 Operated

2.2 L Device – MEAS (Measurement)

LLNO MEAS		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy

LPHD1 MEAS		
DOI	DA Group	Reyrolle 7SR220
PhyHealth		
	stVal	ProtectionHealthy
PhyNam		
	model	MLFB Number
	serNum	Serial Number
	swRev	Software Revision
	vendor	Vendor Name

MMXU1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
TotW		
	-	Active Power (P =) 3Phase
W		
	phsA	Active Power (P =) Phase A
	phsB	Active Power (P =) Phase B
	phsC	Active Power (P =) Phase C
TotVAr		
	-	Reactive Power (Q =) 3Phase
VAr		
	phsA	Reactive Power (Q =) Phase A
	phsB	Reactive Power (Q =) Phase B
	phsC	Reactive Power (Q =) Phase C
TotVA		
	-	Apparent Power (S =) 3Phase
VA		
	phsA	Apparent Power (S =) Phase A
	phsB	Apparent Power (S =) Phase B
	phsC	Apparent Power (S =) Phase C
TotPF		
	-	Power Factor (PF =) 3Phase

MMXU1		
DOI	DA Group	Reyrolle 7SR220
PF		
	phsA	Power Factor (PF =) Phase A
	phsB	Power Factor (PF =) Phase B
	phsC	Power Factor (PF =) Phase C
Hz		
	-	Frequency (Freq =)
PPV		
	phsAB mag	Va-b (Vab =)
	phsCA mag	Vc-a (Vca =)
PhV		
	phsA mag	Va (Va =)
	phsA ang	Va (Va =)
	phsB mag	Vb (Vb =)
	phsB ang	Vb (Vb =)
	phsC mag	Vc (Vc =)
	phsC ang	Vc (Vc =)
	neut mag	Measured Earth Voltage (Vg =)
	neut ang	Measured Earth Voltage (Vg =)
	res mag	Calculated Earth Voltage (Vn =)
	res ang	Calculated Earth Voltage (Vn =)
A		
	phsA mag	Ia (Ia =)
	phsA ang	Ia (Ia =)
	phsB mag	Ib (Ib =)
	phsB ang	Ib (Ib =)
	phsC mag	Ic (Ic =)
	phsC ang	Ic (Ic =)
	neut mag	Measured Earth Current (Ig =)
	neut ang	Measured Earth Current (Ig =)
	res mag	Calculated Earth Current (In =)
	res ang	Calculated Earth Current (In =)

2.3 L Device – CTRL (Control)

LLNO CTRL		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy

LPHD1 CTRL		
DOI	DA Group	Reyrolle 7SR220
PhyHealth		
	stVal	ProtectionHealthy
PhyNam		
	model	MLFB Number
	serNum	Serial Number
	swRev	Software Revision
	vendor	Vendor Name

Q0CSW1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	ProtectionHealthy
Beh		
	stVal	ProtectionHealthy
Loc		
	stVal	NOT Relay Mode Remote
Pos		
	ctlVal	Q0 Open CB
		Q0 Close CB
	stVal	Q0 CB Closed
		Q0 CB Open

Q0XCBR1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	ProtectionHealthy
Beh		
	stVal	ProtectionHealthy
Loc		
	stVal	NOT Relay Mode Remote
Pos		
	stVal	Q0 CB Closed Q0 CB Open
BlkCls		
	stVal	Block Close CB Q0
BlkOpn		
	stVal	Always '0'

Q0CILO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Mod		
	stVal	ProtectionHealthy
Beh		
	stVal	ProtectionHealthy
EnaCls		
	stVal	Not Block Close CB Q0
EnaOpn		
	stVal	Always '1'

BI13GGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Ind1		
	stVal	BI13GGIO1 Ind1
Ind2		
	stVal	BI13GGIO1 Ind2
Ind3		
	stVal	BI13GGIO1 Ind3
Ind4		
	stVal	BI13GGIO1 Ind4
Ind5		
	stVal	BI13GGIO1 Ind5
Ind6		
	stVal	BI13GGIO1 Ind6
Ind7		
	stVal	BI13GGIO1 Ind7
Ind8		
	stVal	BI13GGIO1 Ind8
Ind9		
	stVal	BI13GGIO1 Ind9
Ind10		
	stVal	BI13GGIO1 Ind10
Ind11		
	stVal	BI13GGIO1 Ind11
Ind12		
	stVal	BI13GGIO1 Ind12
Ind13		
	stVal	BI13GGIO1 Ind13

BO14GGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Ind1		
	stVal	BO14GGIO1 Ind1
Ind2		
	stVal	BO14GGIO1 Ind2
Ind3		
	stVal	BO14GGIO1 Ind3
Ind4		
	stVal	BO14GGIO1 Ind4
Ind5		
	stVal	BO14GGIO1 Ind5
Ind6		
	stVal	BO14GGIO1 Ind6
Ind7		
	stVal	BO14GGIO1 Ind7
Ind8		
	stVal	BO14GGIO1 Ind8
Ind9		
	stVal	BO14GGIO1 Ind9
Ind10		
	stVal	BO14GGIO1 Ind10
Ind11		
	stVal	BO14GGIO1 Ind11
Ind12		
	stVal	BO14GGIO1 Ind12
Ind13		
	stVal	BO14GGIO1 Ind13
Ind14		
	stVal	BO14GGIO1 Ind14

L16GGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Ind1		
	stVal	L16GGIO1 Ind1
Ind2		
	stVal	L16GGIO1 Ind2
Ind3		
	stVal	L16GGIO1 Ind3
Ind4		
	stVal	L16GGIO1 Ind4
Ind5		
	stVal	L16GGIO1 Ind5
Ind6		
	stVal	L16GGIO1 Ind6
Ind7		
	stVal	L16GGIO1 Ind7
Ind8		
	stVal	L16GGIO1 Ind8
Ind9		
	stVal	L16GGIO1 Ind9
Ind10		
	stVal	L16GGIO1 Ind10
Ind11		
	stVal	L16GGIO1 Ind11
Ind12		
	stVal	L16GGIO1 Ind12
Ind13		
	stVal	L16GGIO1 Ind13
Ind14		
	stVal	L16GGIO1 Ind14
Ind15		
	stVal	L16GGIO1 Ind15
Ind16		
	stVal	L16GGIO1 Ind16

E16GGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Ind1		
	stVal	E16GGIO1 Ind1
Ind2		
	stVal	E16GGIO1 Ind2
Ind3		
	stVal	E16GGIO1 Ind3
Ind4		
	stVal	E16GGIO1 Ind4
Ind5		
	stVal	E16GGIO1 Ind5
Ind6		
	stVal	E16GGIO1 Ind6
Ind7		
	stVal	E16GGIO1 Ind7
Ind8		
	stVal	E16GGIO1 Ind8
Ind9		
	stVal	E16GGIO1 Ind9
Ind10		
	stVal	E16GGIO1 Ind10
Ind11		
	stVal	E16GGIO1 Ind11
Ind12		
	stVal	E16GGIO1 Ind12
Ind13		
	stVal	E16GGIO1 Ind13
Ind14		
	stVal	E16GGIO1 Ind14
Ind15		
	stVal	E16GGIO1 Ind15
Ind16		
	stVal	E16GGIO1 Ind16

V16GGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Ind1		
	stVal	V16GGIO1 Ind1
Ind2		
	stVal	V16GGIO1 Ind2
Ind3		
	stVal	V16GGIO1 Ind3
Ind4		
	stVal	V16GGIO1 Ind4
Ind5		
	stVal	V16GGIO1 Ind5
Ind6		
	stVal	V16GGIO1 Ind6
Ind7		
	stVal	V16GGIO1 Ind7
Ind8		
	stVal	V16GGIO1 Ind8
Ind9		
	stVal	V16GGIO1 Ind9
Ind10		
	stVal	V16GGIO1 Ind10
Ind11		
	stVal	V16GGIO1 Ind11
Ind12		
	stVal	V16GGIO1 Ind12
Ind13		
	stVal	V16GGIO1 Ind13
Ind14		
	stVal	V16GGIO1 Ind14
Ind15		
	stVal	V16GGIO1 Ind15
Ind16		
	stVal	V16GGIO1 Ind16

SPi64GGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SPCSO1		
	ctlVal	SPi64GGIO1 SPCS01
SPCSO2		
	ctlVal	SPi64GGIO1 SPCS02
SPCSO3		
	ctlVal	SPi64GGIO1 SPCS03
SPCSO4		
	ctlVal	SPi64GGIO1 SPCS04
SPCSO5		
	ctlVal	SPi64GGIO1 SPCS05
SPCSO6		
	ctlVal	SPi64GGIO1 SPCS06
SPCSO7		
	ctlVal	SPi64GGIO1 SPCS07
SPCSO8		
	ctlVal	SPi64GGIO1 SPCS08
SPCSO9		
	ctlVal	SPi64GGIO1 SPCS09
SPCSO10		
	ctlVal	SPi64GGIO1 SPCS010
SPCSO11		
	ctlVal	SPi64GGIO1 SPCS011
SPCSO12		
	ctlVal	SPi64GGIO1 SPCS012
SPCSO13		
	ctlVal	SPi64GGIO1 SPCS013
SPCSO14		
	ctlVal	SPi64GGIO1 SPCS014
SPCSO15		
	ctlVal	SPi64GGIO1 SPCS015
SPCSO16		
	ctlVal	SPi64GGIO1 SPCS016
SPCSO17		
	ctlVal	SPi64GGIO1 SPCS017
SPCSO18		
	ctlVal	SPi64GGIO1 SPCS018
SPCSO19		

SPi64GGIO1		
DOI	DA Group	Reyrolle 7SR220
	ctlVal	SPi64GGIO1 SPCSO19
SPCSO20		
	ctlVal	SPi64GGIO1 SPCSO20
SPCSO21		
	ctlVal	SPi64GGIO1 SPCSO21
SPCSO22		
	ctlVal	SPi64GGIO1 SPCSO22
SPCSO23		
	ctlVal	SPi64GGIO1 SPCSO23
SPCSO24		
	ctlVal	SPi64GGIO1 SPCSO24
SPCSO25		
	ctlVal	SPi64GGIO1 SPCSO25
SPCSO26		
	ctlVal	SPi64GGIO1 SPCSO26
SPCSO27		
	ctlVal	SPi64GGIO1 SPCSO27
SPCSO28		
	ctlVal	SPi64GGIO1 SPCSO28
SPCSO29		
	ctlVal	SPi64GGIO1 SPCSO29
SPCSO30		
	ctlVal	SPi64GGIO1 SPCSO30
SPCSO31		
	ctlVal	SPi64GGIO1 SPCSO31
SPCSO32		
	ctlVal	SPi64GGIO1 SPCSO32
SPCSO33		
	ctlVal	SPi64GGIO1 SPCSO33
SPCSO34		
	ctlVal	SPi64GGIO1 SPCSO34
SPCSO35		
	ctlVal	SPi64GGIO1 SPCSO35
SPCSO36		
	ctlVal	SPi64GGIO1 SPCSO36
SPCSO37		
	ctlVal	SPi64GGIO1 SPCSO37
SPCSO38		
	ctlVal	SPi64GGIO1 SPCSO38
SPCSO39		

SPi64GGIO1		
DOI	DA Group	Reyrolle 7SR220
	ctlVal	SPi64GGIO1 SPCSO39
SPCSO40		
	ctlVal	SPi64GGIO1 SPCSO40
SPCSO41		
	ctlVal	SPi64GGIO1 SPCSO41
SPCSO42		
	ctlVal	SPi64GGIO1 SPCSO42
SPCSO43		
	ctlVal	SPi64GGIO1 SPCSO43
SPCSO44		
	ctlVal	SPi64GGIO1 SPCSO44
SPCSO45		
	ctlVal	SPi64GGIO1 SPCSO45
SPCSO46		
	ctlVal	SPi64GGIO1 SPCSO46
SPCSO47		
	ctlVal	SPi64GGIO1 SPCSO47
SPCSO48		
	ctlVal	SPi64GGIO1 SPCSO48
SPCSO49		
	ctlVal	SPi64GGIO1 SPCSO49
SPCSO50		
	ctlVal	SPi64GGIO1 SPCSO50
SPCSO51		
	ctlVal	SPi64GGIO1 SPCSO51
SPCSO52		
	ctlVal	SPi64GGIO1 SPCSO52
SPCSO53		
	ctlVal	SPi64GGIO1 SPCSO53
SPCSO54		
	ctlVal	SPi64GGIO1 SPCSO54
SPCSO55		
	ctlVal	SPi64GGIO1 SPCSO55
SPCSO56		
	ctlVal	SPi64GGIO1 SPCSO56
SPCSO57		
	ctlVal	SPi64GGIO1 SPCSO57
SPCSO58		
	ctlVal	SPi64GGIO1 SPCSO58
SPCSO59		

SPi64GGIO1		
DOI	DA Group	Reyrolle 7SR220
	ctlVal	SPi64GGIO1 SPCSO59
SPCSO60		
	ctlVal	SPi64GGIO1 SPCSO60
SPCSO61		
	ctlVal	SPi64GGIO1 SPCSO61
SPCSO62		
	ctlVal	SPi64GGIO1 SPCSO62
SPCSO63		
	ctlVal	SPi64GGIO1 SPCSO63
SPCSO64		
	ctlVal	SPi64GGIO1 SPCSO64

SPo32GGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
Ind1		
	stVal	SPo32GGIO1 Ind1
Ind2		
	stVal	SPo32GGIO1 Ind2
Ind3		
	stVal	SPo32GGIO1 Ind3
Ind4		
	stVal	SPo32GGIO1 Ind4
Ind5		
	stVal	SPo32GGIO1 Ind5
Ind6		
	stVal	SPo32GGIO1 Ind6
Ind7		
	stVal	SPo32GGIO1 Ind7
Ind8		
	stVal	SPo32GGIO1 Ind8
Ind9		
	stVal	SPo32GGIO1 Ind9
Ind10		
	stVal	SPo32GGIO1 Ind10
Ind11		
	stVal	SPo32GGIO1 Ind11
Ind12		
	stVal	SPo32GGIO1 Ind12
Ind13		
	stVal	SPo32GGIO1 Ind13
Ind14		
	stVal	SPo32GGIO1 Ind14
Ind15		
	stVal	SPo32GGIO1 Ind15
Ind16		
	stVal	SPo32GGIO1 Ind16
Ind17		
	stVal	SPo32GGIO1 Ind17
Ind18		
	stVal	SPo32GGIO1 Ind18
Ind19		

SPo32GGIO1		
DOI	DA Group	Reyrolle 7SR220
	stVal	SPo32GGIO1 Ind19
Ind20		
	stVal	SPo32GGIO1 Ind20
Ind21		
	stVal	SPo32GGIO1 Ind21
Ind22		
	stVal	SPo32GGIO1 Ind22
Ind23		
	stVal	SPo32GGIO1 Ind23
Ind24		
	stVal	SPo32GGIO1 Ind24
Ind25		
	stVal	SPo32GGIO1 Ind25
Ind26		
	stVal	SPo32GGIO1 Ind26
Ind27		
	stVal	SPo32GGIO1 Ind27
Ind28		
	stVal	SPo32GGIO1 Ind28
Ind29		
	stVal	SPo32GGIO1 Ind29
Ind30		
	stVal	SPo32GGIO1 Ind30
Ind31		
	stVal	SPo32GGIO1 Ind31
Ind32		
	stVal	SPo32GGIO1 Ind32

SPDOnsGGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SPCSO		
	ctVal	SPDOns 1 (OFF/OPEN) SPDOns 1 (ON/CLOSE)
	stVal	SPDOns 1 Status (ON/CLOSED)

SPDOnsGGIO2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SPCSO		
	ctVal	SPDOns 2 (OFF/OPEN) SPDOns 2 (ON/CLOSE)
	stVal	SPDOns 2 Status (ON/CLOSED)

SPDOnsGGIO3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SPCSO		
	ctVal	SPDOns 3 (OFF/OPEN) SPDOns 3 (ON/CLOSE)
	stVal	SPDOns 3 Status (ON/CLOSED)

SPDOnsGGIO4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SPCSO		
	ctVal	SPDOns 4 (OFF/OPEN) SPDOns 4 (ON/CLOSE)
	stVal	SPDOns 4 Status (ON/CLOSED)

SPDOesGGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SPCSO		
	ctlVal	SPDOes 1 (OFF/OPEN) SPDOes 1 (ON/CLOSE)
	stVal	SPDOes 1 Status (ON/CLOSED)

SPDOesGGIO2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SPCSO		
	ctlVal	SPDOes 2 (OFF/OPEN) SPDOes 2 (ON/CLOSE)
	stVal	SPDOes 2 Status (ON/CLOSED)

SPDOesGGIO3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SPCSO		
	ctlVal	SPDOes 3 (OFF/OPEN) SPDOes 3 (ON/CLOSE)
	stVal	SPDOes 3 Status (ON/CLOSED)

SPDOesGGIO4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
SPCSO		
	ctlVal	SPDOes 4 (OFF/OPEN) SPDOes 4 (ON/CLOSE)
	stVal	SPDOes 4 Status (ON/CLOSED)

DPDOsGGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO		
	ctVal	DPDOs 1 (OFF/OPEN) DPDOs 1 (ON/CLOSE)
	stVal	DPDOs 1 Status (OFF/OPEN) DPDOs 1 Status (ON/CLOSED)

DPDOsGGIO2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO		
	ctVal	DPDOs 2 (OFF/OPEN) DPDOs 2 (ON/CLOSE)
	stVal	DPDOs 2 Status (OFF/OPEN) DPDOs 2 Status (ON/CLOSED)

DPDOsGGIO3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO		
	ctVal	DPDOs 3 (OFF/OPEN) DPDOs 3 (ON/CLOSE)
	stVal	DPDOs 3 Status (OFF/OPEN) DPDOs 3 Status (ON/CLOSED)

DPDOnsGGIO4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO		
	ctVal	DPDOns 4 (OFF/OPEN) DPDOns 4 (ON/CLOSE)
	stVal	DPDOns 4 Status (OFF/OPEN) DPDOns 4 Status (ON/CLOSED)

DPDOesGGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO		
	ctVal	DPDOes 1 (OFF/OPEN) DPDOes 1 (ON/CLOSE)
	stVal	DPDOes 1 Status (OFF/OPEN) DPDOes 1 Status (ON/CLOSED)

DPDOesGGIO2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO		
	ctVal	DPDOes 2 (OFF/OPEN) DPDOes 2 (ON/CLOSE)
	stVal	DPDOes 2 Status (OFF/OPEN) DPDOes 2 Status (ON/CLOSED)

DPDOesGGIO3		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO		
	ctVal	DPDOes 3 (OFF/OPEN) DPDOes 3 (ON/CLOSE)
	stVal	DPDOes 3 Status (OFF/OPEN) DPDOes 3 Status (ON/CLOSED)

DPDOesGGIO4		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO		
	ctlVal	DPDOes 4 (OFF/OPEN) DPDOes 4 (ON/CLOSE)
	stVal	DPDOes 4 Status (OFF/OPEN) DPDOes 4 Status (ON/CLOSED)

DPi8GGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO1		
	ctlVal	DPi8GGIO1 DPCSO1 (OFF/OPEN) DPi8GGIO1 DPCSO1 (ON/CLOSE)
DPCSO2		
	ctlVal	DPi8GGIO1 DPCSO2 (OFF/OPEN) DPi8GGIO1 DPCSO2 (ON/CLOSE)
DPCSO3		
	ctlVal	DPi8GGIO1 DPCSO3 (OFF/OPEN) DPi8GGIO1 DPCSO3 (ON/CLOSE)
DPCSO4		
	ctlVal	DPi8GGIO1 DPCSO4 (OFF/OPEN) DPi8GGIO1 DPCSO4 (ON/CLOSE)
DPCSO5		
	ctlVal	DPi8GGIO1 DPCSO5 (OFF/OPEN) DPi8GGIO1 DPCSO5 (ON/CLOSE)
DPCSO6		
	ctlVal	DPi8GGIO1 DPCSO6 (OFF/OPEN) DPi8GGIO1 DPCSO6 (ON/CLOSE)
DPCSO7		
	ctlVal	DPi8GGIO1 DPCSO7 (OFF/OPEN) DPi8GGIO1 DPCSO7 (ON/CLOSE)
DPCSO8		
	ctlVal	DPi8GGIO1 DPCSO8 (OFF/OPEN) DPi8GGIO1 DPCSO8 (ON/CLOSE)

DPi8GGIO2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO1		
	ctlVal	DPi8GGIO2 DPCSO1 (OFF/OPEN) DPi8GGIO2 DPCSO1 (ON/CLOSE)
DPCSO2		
	ctlVal	DPi8GGIO2 DPCSO2 (OFF/OPEN) DPi8GGIO2 DPCSO2 (ON/CLOSE)
DPCSO3		
	ctlVal	DPi8GGIO2 DPCSO3 (OFF/OPEN) DPi8GGIO2 DPCSO3 (ON/CLOSE)
DPCSO4		
	ctlVal	DPi8GGIO2 DPCSO4 (OFF/OPEN) DPi8GGIO2 DPCSO4 (ON/CLOSE)
DPCSO5		
	ctlVal	DPi8GGIO2 DPCSO5 (OFF/OPEN) DPi8GGIO2 DPCSO5 (ON/CLOSE)
DPCSO6		
	ctlVal	DPi8GGIO2 DPCSO6 (OFF/OPEN) DPi8GGIO2 DPCSO6 (ON/CLOSE)
DPCSO7		
	ctlVal	DPi8GGIO2 DPCSO7 (OFF/OPEN) DPi8GGIO2 DPCSO7 (ON/CLOSE)
DPCSO8		
	ctlVal	DPi8GGIO2 DPCSO8 (OFF/OPEN) DPi8GGIO2 DPCSO8 (ON/CLOSE)

DPo8GGIO1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO1		
	stVal	DPo8GGIO1 DPCSO1 (OFF/OPEN) DPo8GGIO1 DPCSO1 (ON/CLOSE)
DPCSO2		
	stVal	DPo8GGIO1 DPCSO2 (OFF/OPEN) DPo8GGIO1 DPCSO2 (ON/CLOSE)
DPCSO3		
	stVal	DPo8GGIO1 DPCSO3 (OFF/OPEN) DPo8GGIO1 DPCSO3 (ON/CLOSE)
DPCSO4		
	stVal	DPo8GGIO1 DPCSO4 (OFF/OPEN) DPo8GGIO1 DPCSO4 (ON/CLOSE)
DPCSO5		
	stVal	DPo8GGIO1 DPCSO5 (OFF/OPEN) DPo8GGIO1 DPCSO5 (ON/CLOSE)
DPCSO6		
	stVal	DPo8GGIO1 DPCSO6 (OFF/OPEN) DPo8GGIO1 DPCSO6 (ON/CLOSE)
DPCSO7		
	stVal	DPo8GGIO1 DPCSO7 (OFF/OPEN) DPo8GGIO1 DPCSO7 (ON/CLOSE)
DPCSO8		
	stVal	DPo8GGIO1 DPCSO8 (OFF/OPEN) DPo8GGIO1 DPCSO8 (ON/CLOSE)

DPo8GGIO2		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
DPCSO1		
	stVal	DPo8GGIO2 DPCSO1 (OFF/OPEN) DPo8GGIO2 DPCSO1 (ON/CLOSE)
DPCSO2		
	stVal	DPo8GGIO2 DPCSO2 (OFF/OPEN) DPo8GGIO2 DPCSO2 (ON/CLOSE)
DPCSO3		
	stVal	DPo8GGIO2 DPCSO3 (OFF/OPEN) DPo8GGIO2 DPCSO3 (ON/CLOSE)
DPCSO4		
	stVal	DPo8GGIO2 DPCSO4 (OFF/OPEN) DPo8GGIO2 DPCSO4 (ON/CLOSE)
DPCSO5		
	stVal	DPo8GGIO2 DPCSO5 (OFF/OPEN) DPo8GGIO2 DPCSO5 (ON/CLOSE)
DPCSO6		
	stVal	DPo8GGIO2 DPCSO6 (OFF/OPEN) DPo8GGIO2 DPCSO6 (ON/CLOSE)
DPCSO7		
	stVal	DPo8GGIO2 DPCSO7 (OFF/OPEN) DPo8GGIO2 DPCSO7 (ON/CLOSE)
DPCSO8		
	stVal	DPo8GGIO2 DPCSO8 (OFF/OPEN) DPo8GGIO2 DPCSO8 (ON/CLOSE)

2.4 L Device – DR (Disturb Rec)

LLNO DR		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy

LPHD1 DR		
DOI	DA Group	Reyrolle 7SR220
PhyHealth		
	stVal	ProtectionHealthy
PhyNam		
	model	MLFB Number
	serNum	Serial Number
	swRev	Software Revision
	vendor	Vendor Name

RDRE1		
DOI	DA Group	Reyrolle 7SR220
Health		
	stVal	ProtectionHealthy
RcdMade		
	stVal	Waveform Rec Complete
FltNum		
	stVal	Fault Number
GriFltNum		
	stVal	Fault Number