

	8 7 6			6	5			4			3			2		1		
F COIL PARAMETERS THIRD ANGLE PROJECTION EXAMPLE BARRIER SELECTION 'Ex ia'														DO NOT SCALE	DRAWING			
															F			
	Coil	d.c. Coil			Eff.	Barrier Details Coil Details											Gas Group	
	Mode	$(\text{nom}) (\Omega)$ (V)) (mA)	` ′ (ctance nH)							Max Coil Resistance		Max Connection	*Connection	Maximum posible current that can be	C. Gup	
	SRS3140 SRS3141	80 30 200 30		48 85	0	Barrier Part No.	Uo (V)	lo (mA)	Po (mW)	Rmax (Ω) REF	Coil Part No's	at 20 °C (nom+10%)	Coil Connection Mode/s	Mode Resistance	Mode Nominal Drive Current	driven through coil/s connected to barrier a	t	
E	SRS3139 single coil	1000 30		24	0							(Ω)		(Ω)	(mA)	20 °C (mA)		
	SRS3118 SRS3140	1000 30 40 30		38 46	0			150	498.8	115	SRS3118	1100	SINGLE MULTI SINGLE	1100 1100	8 8 / #Coils	10.9 10.9	IIC IIC	
	SRS3141 parallel coil	100 30) 19	88	0	STAHL 9001/02-133-150-101	13.3				SRS3139	1100	SINGLE MULTI SINGLE	1100 1100	8 / #Coils	10.9 10.9	IIC IIC	F
	SRS3139 SRS3140	500 30 160 30		87 89	0						3833137	1100	PARALLEL SERIES	1100 2200	8 4	10.9 5.7	IIC IIC	
	SRS3141 series coil	400 30	12.7	200	0								SINGLE	88	40	**19.5	IIB	
	SRS3139	2000 30 10		280	0						SRS3140	88	MULTI SINGLE PARALLEL	88 44	40 / #Coils 40	**19.5 **21.4	IIB IIB	
D	ENTITY PARAMETERS Ex ia IIC/IIB												SERIES SINGLE	176 220	20 15	**16.4 15.2	IIB IIB	
	0.10.0	00	1.0						174.4	390	SRS3141	220	MULTI SINGLE PARALLEL	220 110	15 / #Coils 15	15.2	IIB	
	Coil & Connection Mode	Gas Group	Ui	li l		STAHL 9001/02-093-075-101	9.3	75					SERIES SINGLE	440 1100	7.5	11.2 **6.2	IIB	
	SRS3118 single SRS3118 single	IIC IIC		160 mA 6r 85 mA 5r							SRS3118	1100	MULTI SINGLE SINGLE	1100 1100	8 / #Coils	**6.2 **6.2	IIC	D
	SRS3118 single	IIC	30 V	28 mA 39	nH						SRS3139	1100	MULTI SINGLE PARALLEL	1100 1100	8 / #Coils	**6.2 **6.2	IIC IIC	
	SRS3118 parallel SRS3118 series	IIC IIC			nH mH								SERIES	2200	4	**3.6	IIC	
С	SRS3139 single	IIC	16 V	160 mA 6r	H H		9.3			80	SRS3140	88	SINGLE MULTI SINGLE	88	40 40 / #Coils	55.4 55.4	IIB IIB	
	SRS3139 single	IIC		85 mA 5r				150					PARALLEL SERIES	44 176	40 40 20	0.0 36.3	IIB IIB	
	SRS3139 single SRS3139 parallel	IIC IIC			nH nH								SINGLE	220	15 15 / #Coils	31 31	IIB	
	SRS3139 series	IIC	30 V	10 mA 288	mH	STAHL 9001/02-093-150-101			348.8		SRS3141	220	MULTI SINGLE PARALLEL	220 110	15	48.9	IIB	c
	SRS3140 single, series, parallel SRS3140 single, parallel	IIB IIC			nH						SRS3118	1100	SERIES SINGLE	440 1100	7.5	17.9 **7.9	IIB IIC	
	SRS3140 series				nH nH								MULTI SINGLE SINGLE	1100 1100	8 / #Coils 8	**7.9 **7.9	IIC IIC	
	SRS3141 single, series, parallel	IIB	12 V :	240 mA 2.5	nH						SRS3139	1100	MULTI SINGLE PARALLEL	1100 1100	8 / #Coils 8	**7.9 **7.9	IIC IIC	
	SRS3141 single, parallel	IIC			nH mH								SERIES	2200	4	4.1	IIC	
	SK33141 Selles	* Nominal drive current is the current required to drive the valve to full flow in DC current conditions for the given 'Coil Connection Mode'.																
В	** This combination of barrier and coil will not allow the valve to be driven fully open for the nominal coil rate when driving only a single coil.															R		
	Explosion proof certified product. This document is controlled and can only be amended by the responsible authority.															CL		
		Tontrollea	CHANGE COMMENT		DY THE RESPONSIBLE AUTI MATERIAL: (SPECIFIED IN MODEL)			Inority.			FILE NAME:			eet2				
	STAF	REV DATE 01 06 Jun 1		APPROVER Roy Mountford	Relea	Released for Manufacture - Ex Approval								EX003				
	STAR HYDRAULICS L	OGY											description: 2-STAGE EHSV MANUAL					
	Tel: +44 (0)1684 296 176 Fax: +44 (0)1684 850 714								SEE BS 308 FOR EXPLANATION OF SYMBOLS AND GEOMETRIC TOLERANCES. UNLESS OTHERWISE SPECIFIED:-			status: Released						AICION.
	WWW.star-hydraulics.co.uk sales@star-hydraulics.co.uk	740						DIMENSIONS ARE IN MILLIMETRES. THREADS TO BS 3643. REMOVE ALL BURRS & BREAK SHARP EDGES I			untford	06 Jun 17	1 1	IUMBER: EX003		REVISI		
A	THIS DRAWING IS THE PROPERTY OF S HYDRAULICS LTD. AND IT'S ACCEPTANC THE PURPOSE OF INFORMATION SHALL ACCEPTANT BY DECIDENT NOT TO USE	E FOR MPLY					SURFACE	RAD OR CHAMFER. SURFACE FINISH 1.6 µM Ra MACHINING: ±0.25mm ±1.0			CHECKED BY: CHECKED DATE: 17 Mar 17		420w x 297h SCALE:					
	AGREEMENT BY RECIPIENT NOT TO USE I ANY OTHER PURPOSE AND NOT TO COP OR PASS IT ON TO A THIRD PARTY	DVIT			MODEL CONFIGUR	L IGURATION:			MACHINING BOXED: [+0.10mm] [+0.5°]			DRAWN BY: DRAWN DATE: 20 Feb 17			2:1 SHEET: 2 OF 4		/EIGHT:	
	8		7		6	5				4		3			2		1	



