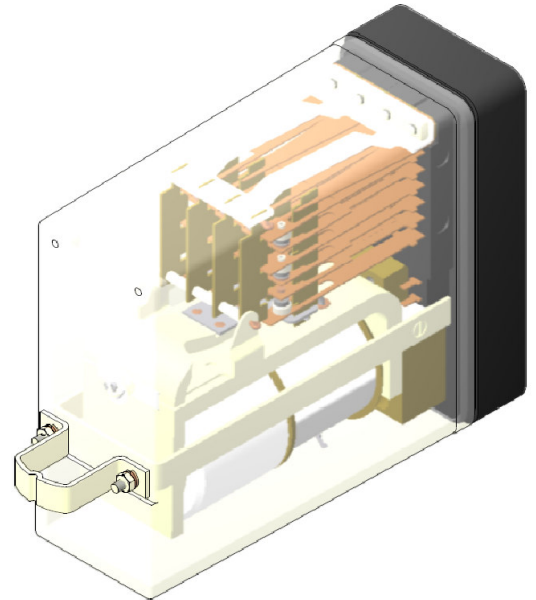


TY082/GRP1-24 - BR930A DC NEUTRAL LINE TRACTIVE ARMATURE RELAY

- **British Railways Board 930 Series Relay.**
- **DC Neutral Line Tractive Armature Relay.**
- **Weight 1.35kg.**
- **Proven track record (formerly under Tyer and Field & Grant brands).**
- **Automated electronic end of line testing.**
- **Certificate of Conformity supplied with each order.**
- **Return to STS-Signals for recertification and servicing.**

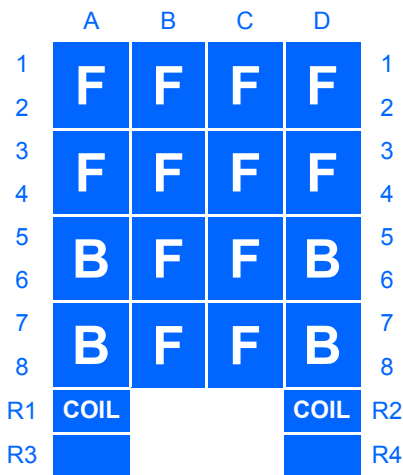


STS Signals Catalogue Number	BR Catalogue Number	Rated Voltage	Contacts	Pin Code (Pins)	Specification
TY082/GRP1	0085/000350	24V DC	12F 4B	001 (A, B, C, D & E)	BRB930A
TY082/GRP2	0085/000500	24V DC	12F 4B	001 (A, B, C, D & E)	BRB930A
TY082/GRP3	0085/000360	24V DC	8F 4B	001 (A, B, C, D & E)	BRB930A
TY082/GRP4	0085/000510	24V DC	8F 4B	001 (A, B, C, D & E)	BRB930A
TY082/GRP5	0085/000370	24V DC	8F 8B	002 (A, B, C, D & F)	BRB930A
TY082/GRP6	0085/000520	24V DC	8F 8B	002 (A, B, C, D & F)	BRB930A
TY082/GRP7	0085/000380	24V DC	6F 6B	002 (A, B, C, D & F)	BRB930A
TY082/GRP8	0085/000530	24V DC	6F 6B	002 (A, B, C, D & F)	BRB930A
TY082/GRP9	0085/000390	24V DC	4F 4B	002 (A, B, C, D & F)	BRB930A
TY082/GRP10	0085/000540	24V DC	4F 4B	002 (A, B, C, D & F)	BRB930A
TY082/GRP11	0085/000410	50V DC	12F 4B	003 (A, B, C, E & F)	BRB930A
TY082/GRP12	0085/000560	50V DC	12F 4B	003 (A, B, C, E & F)	BRB930A

STS Signals Ltd
Doulton Road, Cradley Heath, West Midlands B64 5QB

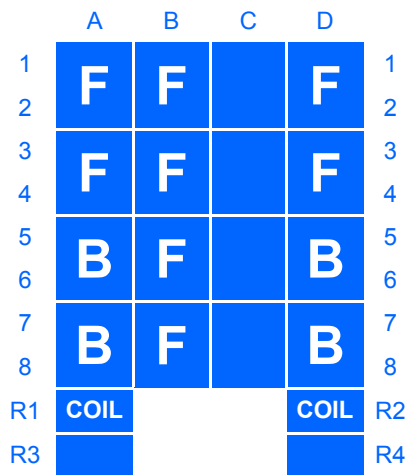
Tel: +44 (0) 1384 567755
Fax: +44 (0) 1384 567710
Email: signals@sts-international.co.uk

STS Signals Catalogue Number	BR Catalogue Number	Rated Voltage	Contacts	Pin Code (Pins)	Specification
TY082/GRP13	0085/000650	50V DC	8F 4B	003 (A, B, C, E & F)	BRB930A
TY082/GRP14	0085/000660	50V DC	8F 4B	003 (A, B, C, E & F)	BRB930A
TY082/GRP15	0085/000670	50V DC	8F 8B	004 (A, B, D, E & F)	BRB930A
TY082/GRP16	0085/000680	50V DC	8F 8B	004 (A, B, D, E & F)	BRB930A
TY082/GRP17	0085/000690	50V DC	6F 6B	004 (A, B, D, E & F)	BRB930A
TY082/GRP18	0085/000710	50V DC	6F 6B	004 (A, B, D, E & F)	BRB930A
TY082/GRP19	0085/000720	50V DC	4F 4B	004 (A, B, D, E & F)	BRB930A
TY082/GRP20	0085/000730	50V DC	4F 4B	004 (A, B, D, E & F)	BRB930A
TY082/GRP21	N/A	50V DC	12F 4B	003 (A, B, C, E & F)	BRB930A
TY082/GRP22	N/A	50V DC	8F 8B	004 (A, B, D, E & F)	BRB930A
TY082/GRP23	N/A	24V DC	8F 4B	964 (C, G, H, K & M)	BRB930A
TY082/GRP24	N/A	24V DC	12F 4B	T002 (A, B, C, E & T)	BRB930A



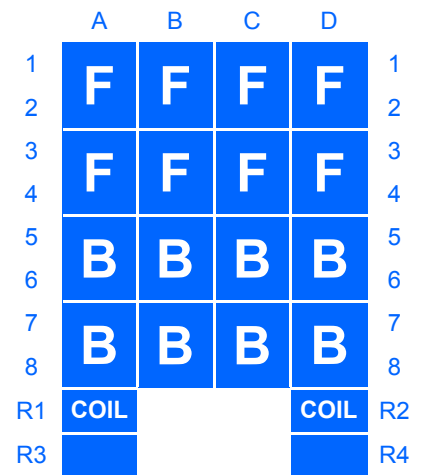
12F 4B

TY082/GRP1, TY082/GRP11,
TY082/GRP21, TY082/GRP24



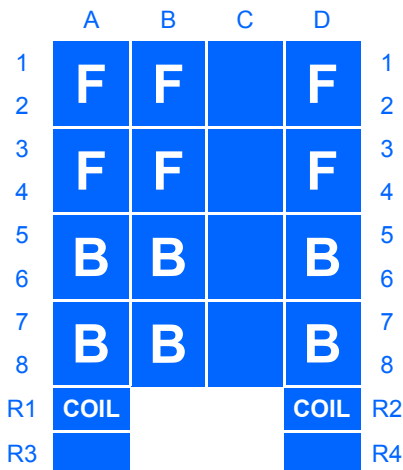
8F 4B

TY082/GRP3, TY082/GRP13 &
TY082/GRP23



8F 8B

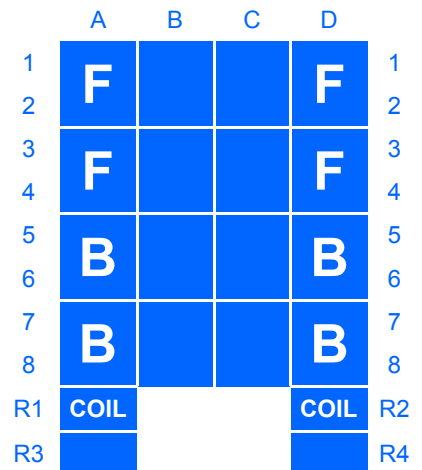
TY083/GRP5, TY082/GRP15 &
TY082/GRP22



6F 6B

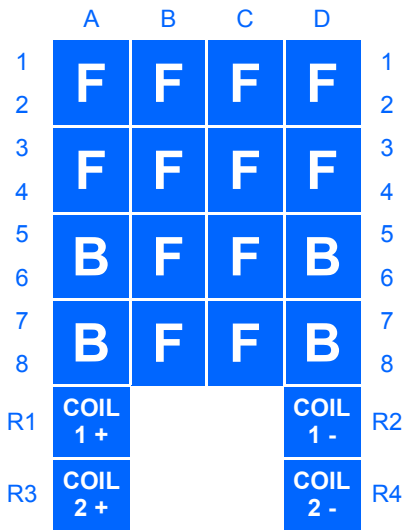
TY082/GRP7 & TY082/GRP17

Single Wound Coils



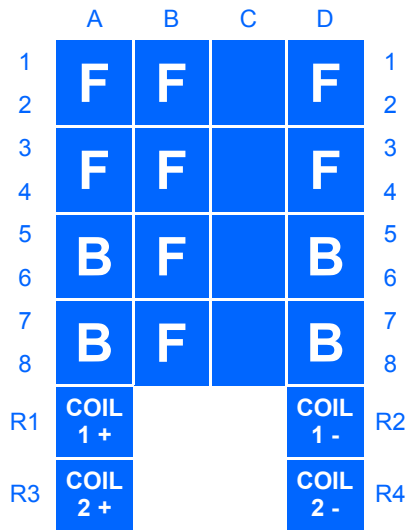
4F 4B

TY082/GRP9 & TY082/GRP19



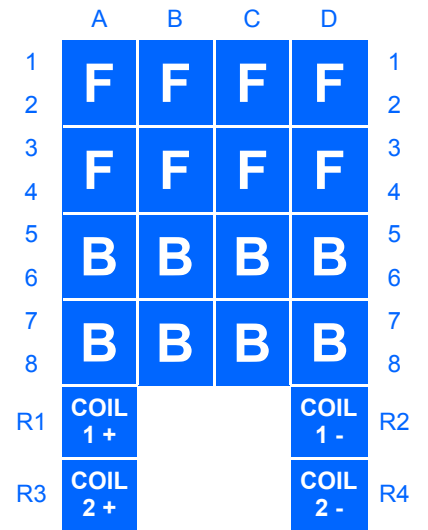
12F 4B

TY082/GRP2 & TY082/GRP12



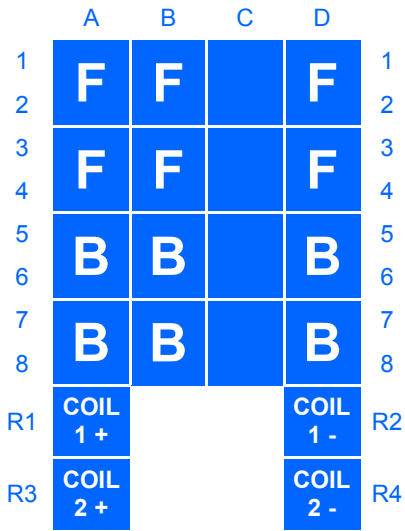
8F 4B

TY082/GRP4 & TY082/GRP14



8F 8B

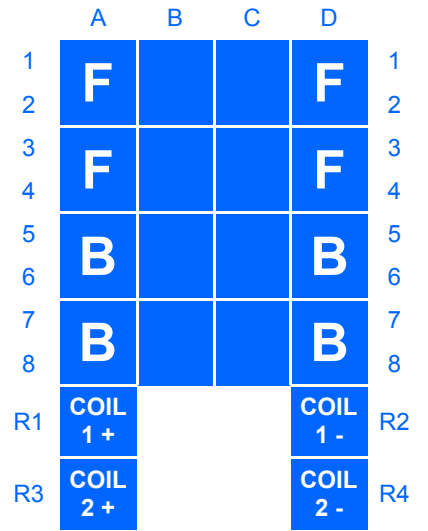
TY082/GRP6 & TY082/GRP16



6F 6B

TY082/GRP8 & TY082/GRP18

Double Wound Coils



4F 4B

TY082/GRP10 & TY082/GRP20

STS Catalogue Number	Coil #1 Resistance	Coil #2 Resistance	Power Consumption	Operate	Release	Full Release	Contact Rating	Contact Resistance
TY082/GRP1 TY082/GRP3 TY082/GRP5 TY082/GRP7 TY082/GRP9	250Ω	N/A	2.3W	19.2V	3.6V	2.0V	3A	0.02Ω
TY082/GRP2 TY082/GRP4 TY082/GRP6 TY082/GRP8 TY082/GRP10	350Ω	245Ω	W					
TY082/GRP23 TY082/GRP24	575Ω	N/A	W					
TY082/GRP11 TY082/GRP13 TY082/GRP15 TY082/GRP17 TY082/GRP19	925Ω	N/A	W	40.0V	7.5V	4.0V	3A	0.02Ω
TY082/GRP12 TY082/GRP14 TY082/GRP16 TY082/GRP18 TY082/GRP20	1400Ω	1050Ω	W					
TY082/GRP21 TY082/GRP22	1000Ω	N/A	W					