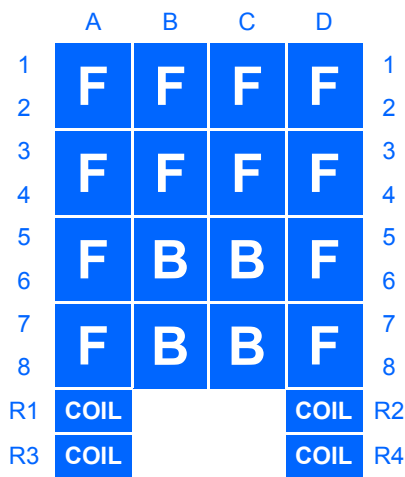


## TY156/GRP1-14 - BR960 TWIN TRACTIVE ARMATURE DC NEUTRAL LINE SIGNALLING RELAY

- **British Railways Board 930 Series Relay.**
- **Formerly 'Tyer' and 'Field and Grant' brands.**
- **Robust and durable design.**
- **Non-weld contact tips for safety critical applications.**
- **Phosphor Bronze contact springs.**
- **Supplied with Certificate of Conformity.**
- **Supported by full repair, refurbishment and re-certification service.**
- **Weight 1.16Kg.**

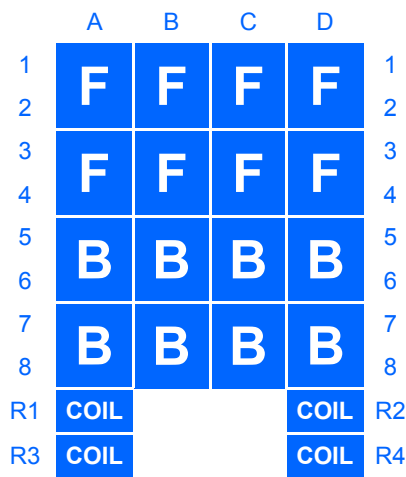


STS Signals Catalogue Number	BR Catalogue Number	Rated Voltage	Contacts	Pin Code (Pins)	Specification
TY156/GRP1	0085/001630	50V DC	6F 2B x 2	212 (C, D, E, F & K)	BRB960
TY156/GRP2	0085/001640	50V DC	4F 4B x 2	211 (C, F, G, H & J)	BRB960
TY156/GRP3	0085/001650	50V DC	2F 2B x 2	211 (C, F, G, H & J)	BRB960
TY156/GRP4	0085/001590	24V DC	6F 2B x 2	092 (A, C, D, E & K)	BRB960
TY156/GRP5	0085/001600	24V DC	4F 4B x 2	057 (A, C, E, H & J)	BRB960
TY156/GRP6	0085/001610	24V DC	2F 2B x 2	057 (A, C, E, H & J)	BRB960
TY156/GRP7	0085/001740	50V DC	6F 1B x 2	056 (A, C, E, G & J)	BRB960
TY165/GRP8	0085/001750	50V DC	4F 3B x 2	060 (A, C, G, H & J)	BRB960
TY156/GRP9	0085/001760	50V DC	2F 1B x 2	060 (A, C, G, H & J)	BRB960
TY156/GRP10	0085/001700	24V DC	6F 1B x 2	055 (A, C, E, F & J)	BRB960
TY156/GRP11	0085/001710	24V DC	4F 3B x 2	054 (A, C, D, H & J)	BRB960
TY156/GRP12	0085/001720	24V DC	2F 1B x 2	054 (A, C, D, H & J)	BRB960
TY156/GRP13	-	24V DC	6F 2B x 2	092 (A, C, D, E & K)	BRB960
TY156/GRP14	-	24V DC	6F 2B x 2	T003 (A, B, D, E & T)	BRB960



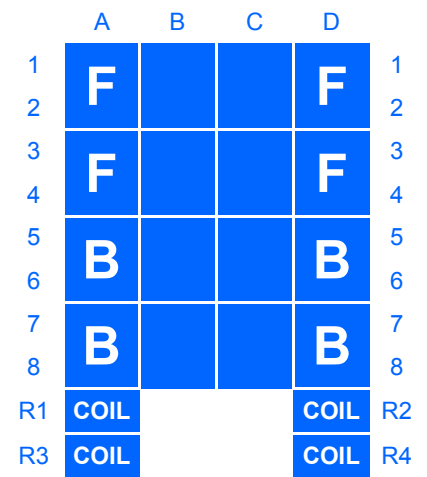
### 6F 2B

TY156/GRP1, TY156/GRP4  
& TY156/GRP14



### 4F 4B

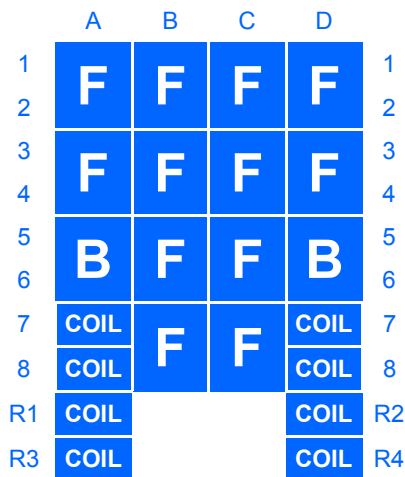
TY165/GRP2 & TY156/GRP5



### 2F 2B

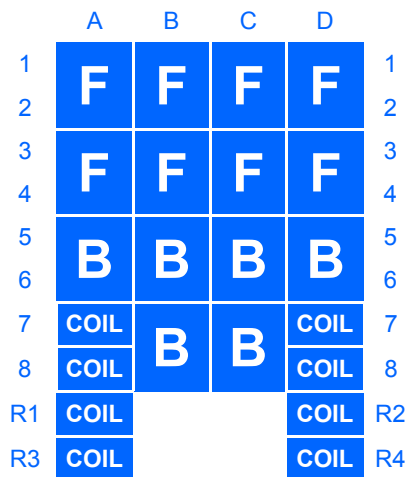
TY156/GRP3 & TY165/GRP6

#### Single Wound Coils



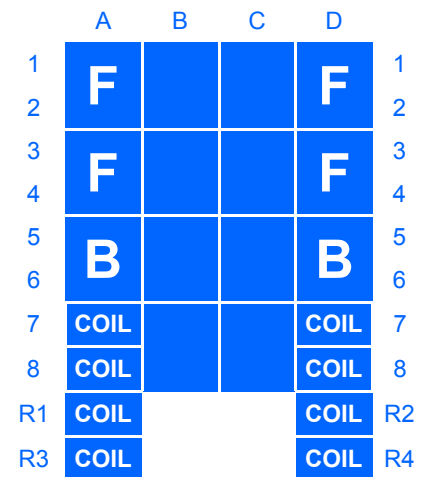
### 6F 1B

TY08156/GRP7 & TY156/GRP10



### 4F 3B

TY156/GRP8 & TY156/GRP11



### 2F 1B

TY156/GRP9 & TY156/GRP12

#### Double Wound Coils

STS Catalogue Number	Coil Resistance	Power Consumption	Operate	Release	Full Release	Contact Rating	Contact Resistance
TY156/GRP1 TY156/GRP2 TY156/GRP3 TY156/GRP7 TY156/GRP8 TY156/GRP9	250Ω	2.3W	19.2V	3.6V	2.0V	3A	0.02Ω
TY156/GRP13	310Ω	1.9W					
TY156/GRP14	575Ω	1.0W					
TY156/GRP4 TY156/GRP5 TY156/GRP6 TY156/GRP10 TY156/GRP11 TY156/GRP12	1000Ω	2.5W	40.0V	7.5V	4.0V	3A	0.02Ω