

## Annex 1 to NL/DEK/ExTR20.0088.01

Table 1

### BRS Industrial Ethernet Rail Switch Series

#### Product Code Table

|         |     |    |     |    |    |    |     |      |    |   |    |     |      |     |
|---------|-----|----|-----|----|----|----|-----|------|----|---|----|-----|------|-----|
| Example | BRS | 4  | 2   | -  | 00 | 12 | OO  | OO   | -  | E | P  | D   | Z    | W   |
| Item    | I   | II | III | IV | V  | VI | VII | VIII | IX | X | XI | XII | XIII | XIV |

  

|    |     |      |       |     |       |     |      |       |
|----|-----|------|-------|-----|-------|-----|------|-------|
| 9  | HH  | S    | E     | S   | 08.0. | 00  | -    | NT    |
| XV | XVI | XVII | XVIII | XIX | XX    | XXI | XXII | XXIII |

I: (Pos. 1-3) Product designation  
BRS BOBCAT Rail Switch

II: (Pos. 4) Datarate  
2 100 MBit/s Ethernet Ports  
3 100 & 1000 MBit/s Ethernet Ports  
4 1000 MBit/s Ethernet Ports  
5 1000 & 2500 MBit/s Ethernet Ports

III: (Pos. 5) Hardware Type  
0 Standard  
2 Standard + PoE

IV: -

V: (Pos. 7,8) Number of 100 Mbit/s Ports  
00 0\* 10/100 Mbit/s Ethernet Ports  
04 4\* 10/100 Mbit/s Ethernet Ports  
05 5\* 10/100 Mbit/s Ethernet Ports  
06 6\* 10/100 Mbit/s Ethernet Ports  
08 8\* 10/100 Mbit/s Ethernet Ports  
09 9\* 10/100 Mbit/s Ethernet Ports  
10 10\* 10/100 Mbit/s Ethernet Ports  
11 11\* 10/100 Mbit/s Ethernet Ports  
12 12\* 10/100 Mbit/s Ethernet Ports  
16 16\* 10/100 Mbit/s Ethernet Ports  
20 20\* 10/100 Mbit/s Ethernet Ports  
24 24\* 10/100 Mbit/s Ethernet Ports

VI: (Pos. 9,10) Number of 1000 (2500) Mbit/s Ports  
00 0 \* 100/1000 Mbit/s Ethernet Ports  
04 4 \* 100/1000 Mbit/s Ethernet Ports  
08 8 \* 100/1000 Mbit/s Ethernet Ports  
12 12 \* 100/1000 Mbit/s Ethernet Ports or  
8 \* 100/1000 Mbit/s + 4 \* 1000/2500 Mbit/s Ethernet Ports  
16 12 \* 100/1000 Mbit/s Ethernet Ports  
20 20 \* 100/1000 Mbit/s Ethernet Ports or  
16 \* 100/1000 Mbit/s + 4 \* 1000/2500 Mbit/s Ethernet Ports  
24 24 \* 100/1000 Mbit/s Ethernet Ports or  
20 \* 100/1000 Mbit/s + 4 \* 1000/2500 Mbit/s Ethernet Ports

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|       |              |  |
|-------|--------------|--|
| VII:  | (Pos. 11,12) | First Uplink (Group)                       |
|       | 99           | identical to the other ports / unavailable |
|       | 2T           | 2 x Twisted Pair / RJ45 (1000 MBit/s)      |
|       | M2           | 1 x Multimode / SC (100 MBit/s)            |
|       | M4           | 1 x Multimode / ST (100 MBit/s)            |
|       | S2           | 1 x Singlemode / SC (100 MBit/s)           |
|       | S4           | 1 x Singlemode / ST (100 MBit/s)           |
|       | E2           | 1 x Singlemode Plus / SC (100 MBit/s)      |
|       | L2           | 1 x Singlemode LH / SC (100 MBit/s)        |
|       | G2           | 1 x Singlemode LH / SC 200km               |
|       | Z6           | 1 x SFP Slot (100 MBit/s)                  |
|       | MM           | 2 x Multimode / SC (100 MBit/s)            |
|       | NN           | 2 x Multimode / ST (100 MBit/s)            |
|       | VV           | 2 x Singlemode / SC (100 MBit/s)           |
|       | UU           | 2 x Singlemode / ST (100MBit/s)            |
|       | EE           | 2 x Singlemode Plus / SC (100 MBit/s)      |
|       | LL           | 2 x Singlemode LH / SC (100 MBit/s)        |
|       | GG           | 2 x Singlemode LH / SC 200km (100MBit)     |
|       | ZZ           | 2 x SFP Slot (100 MBit/s)                  |
|       | OO           | 2 x SFP Slot (100/1000 MBit/s)             |
|       | 2Q           | 2 x SFP Slot (100/1000/2500 MBit/s)        |
| VIII: | (Pos. 13,14) | Second Uplink (Group)                      |
|       | 99           | identical to the other ports / unavailable |
|       | 2T           | 2 x Twisted Pair / RJ45 (1000 MBit/s)      |
|       | M2           | 1 x Multimode / SC (100 MBit/s)            |
|       | M4           | 1 x Multimode / ST (100 MBit/s)            |
|       | S2           | 1 x Singlemode / SC (100 MBit/s)           |
|       | S4           | 1 x Singlemode / ST (100 MBit/s)           |
|       | E2           | 1 x Singlemode Plus / SC (100 MBit/s)      |
|       | L2           | 1 x Singlemode LH / SC (100 MBit/s)        |
|       | G2           | 1 x Singlemode LH / SC 200km               |
|       | Z6           | 1 x SFP Slot (100 MBit/s)                  |
|       | MM           | 2 x Multimode / SC (100 MBit/s)            |
|       | NN           | 2 x Multimode / ST (100 MBit/s)            |
|       | VV           | 2 x Singlemode / SC (100 MBit/s)           |
|       | UU           | 2 x Singlemode / ST (100MBit/s)            |
|       | EE           | 2 x Singlemode Plus / SC (100 MBit/s)      |
|       | LL           | 2 x Singlemode LH / SC (100 MBit/s)        |
|       | GG           | 2 x Singlemode LH / SC 200km (100MBit)     |
|       | ZZ           | 2 x SFP Slot (100 MBit/s)                  |
|       | OO           | 2 x SFP Slot (100/1000 MBit/s)             |
|       | 2Q           | 2 x SFP Slot (100/1000/2500 MBit/s)        |
| IX:   | -            |  |
| X:    | (Pos. 16)    | Temperature range                          |
|       | S            | 0°C --> +60°C                              |
|       | C            | 0°C --> +60°C, conf. Coating               |
|       | T            | -40°C --> +70°C                            |
|       | E            | -40°C --> +70°C, conf. Coating             |
|       | G            | -40°C --> +70°C, conf. Coating, glued      |

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|        |              |  |
|--------|--------------|--|
| XI:    | (Pos. 17)    | Voltage range  |
|        | T            | 2x (12 - 24 VDC)   |
|        | U            | 2x 24 VDC  |
|        | F            | 2x (24 - 48 VDC + 24 VAC)                                    |
|        | P            | 2x (48VDC (POE) / 54VDC (POE+))                              |
| XII:   | (Pos. 18)    | Housing  |
|        | C            | IP30 Plastic   |
|        | D            | IP30 Metal   |
|        | E            | IP40 Metal   |
| XIII:  | (Pos. 19)    | Approvals/ Declarations Part A <i>(only for information)</i> |
|        | Z            | CE; FCC; EN61131; EN62368-1                                  |
|        | x            | Further approvals/ declarations                              |
| XIV:   | (Pos. 20)    | Approvals/ Declarations Part B <i>(only for information)</i> |
|        | W            | ATEX/ IECEx  |
|        | x            | Further approvals/ declarations                              |
| XV:    | (Pos. 21)    | Software Packages <i>(only for information)</i>              |
|        | 9            | Reserved   |
| XVI:   | (Pos. 22,23) | Customization <i>(only for information)</i>                  |
|        | HH           | Hirschmann   |
| XVII:  | (Pos. 24)    | Technology <i>(only for information)</i>                     |
|        | S            | Standard   |
| XVIII: | (Pos. 25)    | Software Configuration <i>(only for information)</i>         |
|        | E            | Empty  |
|        | P            | PROFINET   |
| XIX:   | (Pos. 26)    | Software Level <i>(only for information)</i>                 |
|        | S            | HiOS Layer 2 Standard  |
|        | A            | HiOS Layer 2 Advanced  |
|        | B            | HiOS Layer 2 Advanced (Dual RSTP Support)                    |
| XX:    | (Pos. 27-31) | Software Version <i>(only for information)</i>               |
|        | 08.0.        | Software version 08.0  |
|        | xx.x.        | Further software versions                                    |
| XXI:   | (Pos. 32,33) | Software Maintenance <i>(only for information)</i>           |
|        | 00           | Maintenance version 00                                       |
|        | xx           | Further maintenance versions                                 |
| XXII:  | -            |  |
| XXIII: | (Pos. 35,36) | Production Location  |
|        | NT           | Neckartenzlingen (Germany)                                   |
|        | SZ           | Suzhou (China)   |
|        | PN           | Pune (India)   |

Note: x = any letter or number