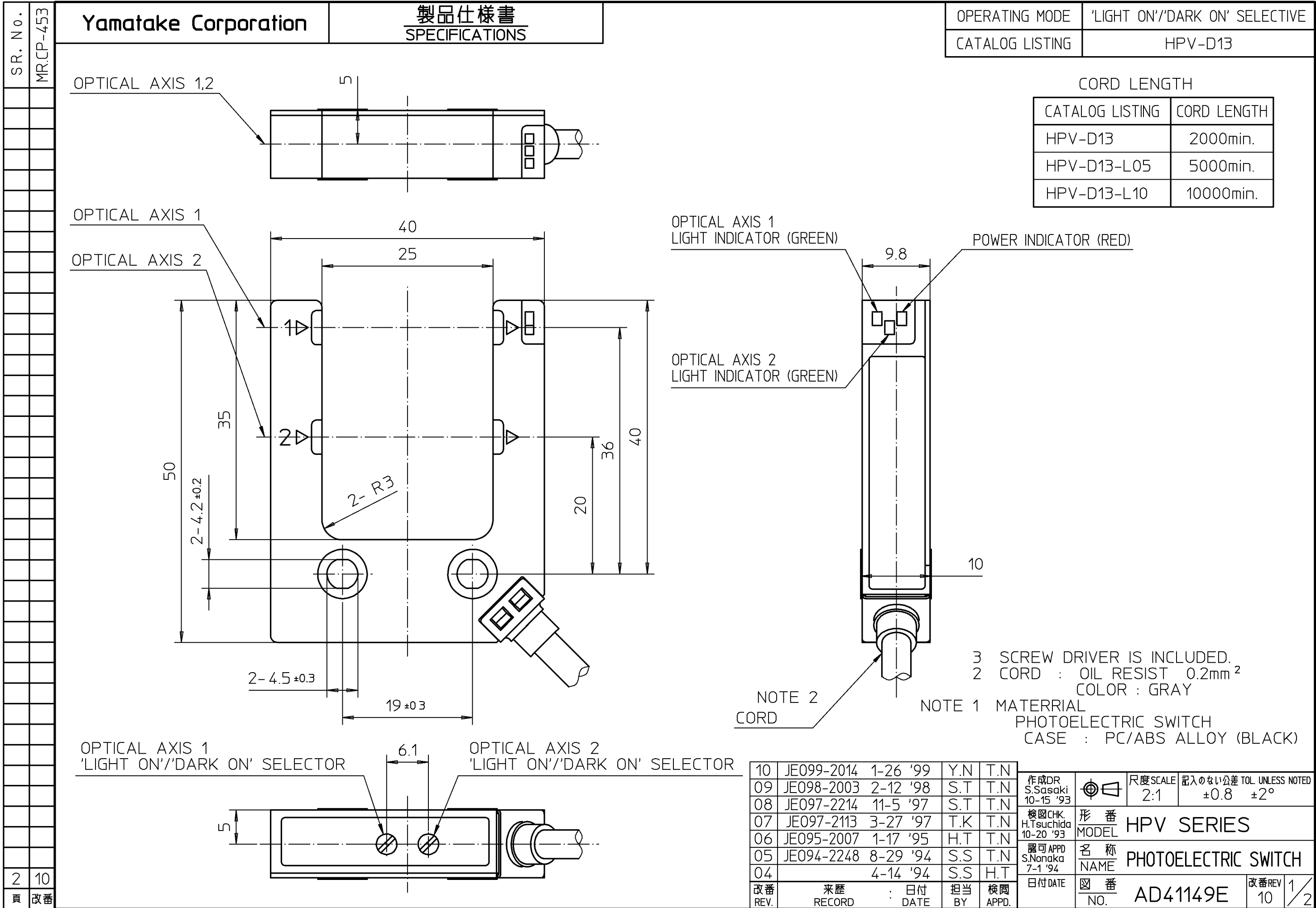




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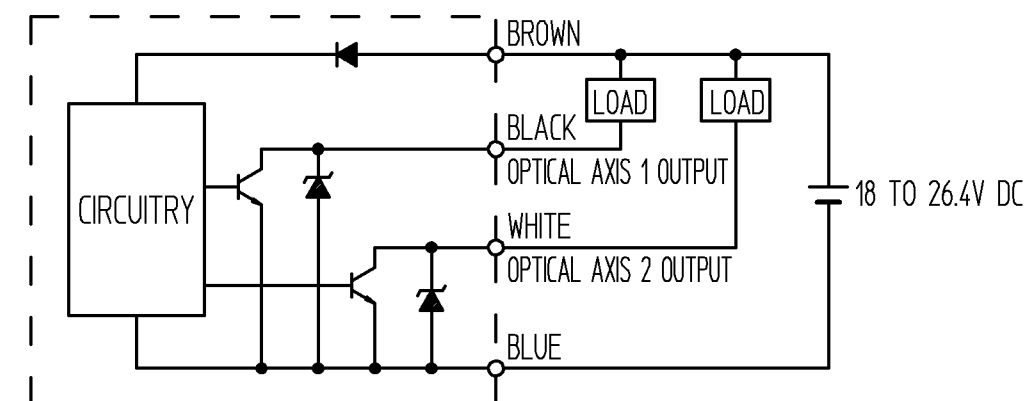
改番

## SPECIFICATIONS

|                       |                  |                                                                                                                                          |
|-----------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOG LISTING       |                  | HPV-D13                                                                                                                                  |
| SCANNING TYPE         |                  | THRU SCAN(GROOVED)                                                                                                                       |
| SUPPLY VOLTAGE        |                  | 18 TO 26.4V DC(RIPPLE 10% MAX.)                                                                                                          |
| CURRENT CONSUMPTION   |                  | 40mA max.                                                                                                                                |
| SCANNING DISTANCE     |                  | 25mm(FIXED)                                                                                                                              |
| TARGET                |                  | OPAQUE MATELIALS MORE THAN $\phi 1$                                                                                                      |
| OPERATING MODE        |                  | LIGHT OPERATED/DARK OPERATED(SELECTIVE EACH OPTICAL AXIS)                                                                                |
| OUTPUT MODE           |                  | OPEN COLLECTOR OF NPN TRANSISTOR                                                                                                         |
| OUTPUT                |                  | LOAD CURRENT:100mA max.(RESISTIVE LOAD)<br>SATULATION VOLTAGE:1V max.(AT 100mA LOAD CURRENT)<br>26.4VDC max.<br>SHORT CIRCUIT PROTECTION |
| RESPONSE TIME         |                  | 1ms max.                                                                                                                                 |
| LIGHT SOURCE          |                  | INFRARED LED                                                                                                                             |
| INDICATOR             |                  | RED:POWER INDICATION,GREEN:LIGHT INDICATION                                                                                              |
| AMBIENT LIGHT         |                  | INCANDESCENT:3000lx max.<br>SUNLIGHT.10000lx max.                                                                                        |
| OPERATING TEMPERATURE |                  | -25~+50℃                                                                                                                                 |
| STORAGE TEMPERATURE   |                  | -30~+70℃                                                                                                                                 |
| HUMIDITY              |                  | 45~85% RH(WITHOUT CONDENSATION)                                                                                                          |
| INSULATION RESISTANCE |                  | 20M $\Omega$ MIN.(AT 500V DC)                                                                                                            |
| DIELECTRIC STRENGTH   |                  | 1000V AC 50/60Hz 1MINUTE                                                                                                                 |
| VIBRATION             |                  | 10~55Hz,1.5mm DOUBLE AMPRITUDE,2HOURS IN EACH DIRECTION OF X,Y,Z                                                                         |
| SHOCK                 |                  | 500m/s <sup>2</sup> 10TIMES IN EACH DIRECTION OF X,Y,Z                                                                                   |
| SEALING               |                  | IP64(IEC STANDARD)                                                                                                                       |
| WEIGHT                |                  | APPROX. 70g                                                                                                                              |
| PROTECTION            |                  | FALSE PULSE PROTECTION(180ms typ.)<br>REVERSE POLARITY PROTECTION                                                                        |
| EMC                   | EN61000-4-2:1995 | LEVEL 3                                                                                                                                  |
|                       | ENV50140:1993    | LEVEL 3                                                                                                                                  |
|                       | ENV50204:1995    | LEVEL 3                                                                                                                                  |
|                       | EN61000-4-4:1995 | LEVEL 3                                                                                                                                  |
|                       | IEC255-5:1977    | LEVEL 2                                                                                                                                  |
|                       | ENV50141:1993    | LEVEL 3                                                                                                                                  |

## CONNECTION

HPV-D13



|            |              |              |                    |
|------------|--------------|--------------|--------------------|
| 09         | ～            |              |                    |
| 08         | ～            |              |                    |
| 07         | ～            |              |                    |
| 06         | ～            |              |                    |
| 04         | ～            |              |                    |
| 改番<br>REV. | 来歴<br>RECORD | : 日付<br>DATE | 担当<br>BY 検閲<br>APP |

|                                 |              |                      |                                |
|---------------------------------|--------------|----------------------|--------------------------------|
| 作成DR.<br>H. Tsuchi<br>10-20 '93 |              | 尺度SCALE<br>~         | 記入のない公差 TOL. UNLESS NOTED<br>~ |
| 検図CHK.<br>T.N.<br>7-1 '94       | 形 番<br>MODEL | HPV SERIES           |                                |
| 認可APPD<br>S. Nongka<br>7-1 '94  | 名 称<br>NAME  | PHOTOELECTRIC SWITCH |                                |
| 日付DATE                          | 図 番<br>NO.   | AD41149E             | 改番REV.<br>10 2/2               |