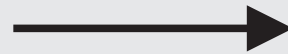


# Application Note BCL 34 Series Substitutes

## BCL 34 xx



Integrated Profibus

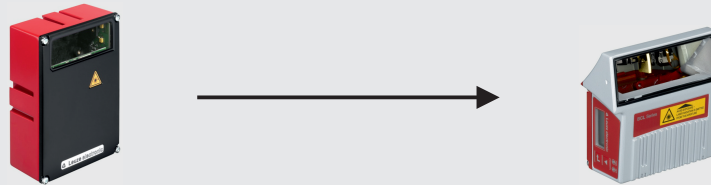


## BCL 304i xx



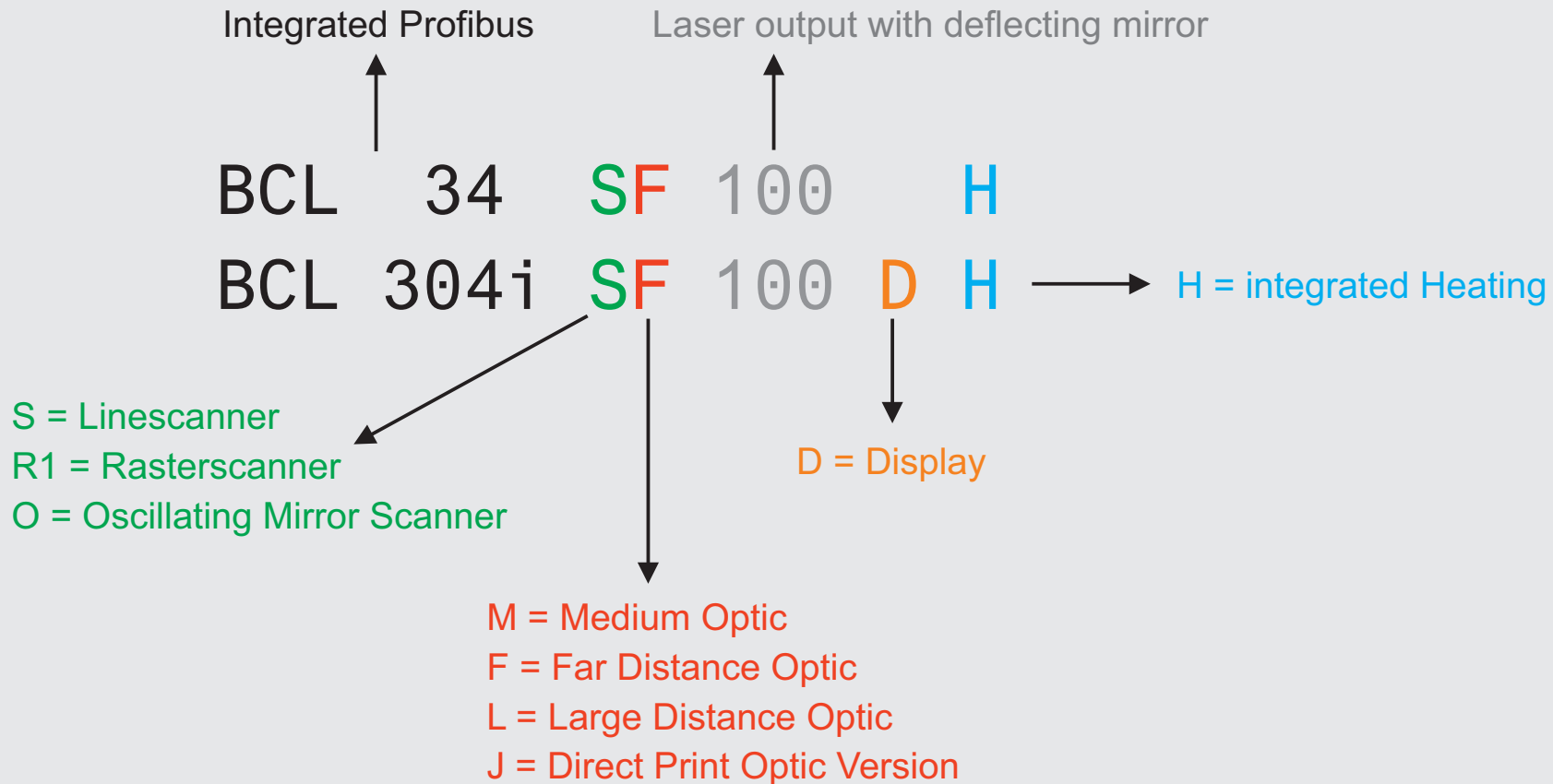
Integrated Profibus

# Conversion List



BCL 34 S M 100	—————>	BCL 304i SM 100 (D)
BCL 34 S M 100 H	—————>	BCL 304i SM 100 D H
BCL 34 R1 M 100	—————>	BCL 304i R1 M 100 (D)
BCL 34 R1 M 100 H	—————>	BCL 304i SM 100 D H or BCL 304i OM 100 D H
BCL 34 S F 100	—————>	BCL 304i SF 100 (D)
BCL 34 S F 100 H	—————>	BCL 304i SF 100 D H
BCL 34 R1 F 100	—————>	BCL 304i R1 F 100 (D)
BCL 34 R1 F 100 H	—————>	BCL 304i SF 100 D H or BCL 304i OF 100 D H
BCL 34 S L 100	—————>	BCL 304i SL 100 (D)
BCL 34 S L 100 H	—————>	BCL 304i SL 100 D H
BCL 34 R1 L 100	—————>	BCL 304i SL 100 (D) or BCL 304i OL 100 (D)
BCL 34 R1 L 100 H	—————>	BCL 304i SL 100 D H or BCL 304i OL 100 D H
BCL 34 S J 100	—————>	BCL 304i R1 J 100 (D)
BCL 34 R1 J 100	—————>	BCL 304i R1 J 100 (D)
BCL 34 R1 J 100 H	—————>	BCL 304i R1 J 100 D H

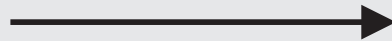
# Type Code



- Notes:
- The BCL 304i series scanners are also available with an optional Display ex. BCL 304i SF 100 D
  - Heating variants always have a Display ex. BCL 304i SM 100 D H
  - Heating variants are only available as Linescanner or Oscillating Mirror Scanner (no Rasterscanner)
  - The L-optics variant is only available as a Linescanner or Oscillating Mirror Scanner (no Rasterscanner)

# Connection Box

BCL 34 xx connected with  
MS 34 103 or MS 34 105



BCL 304i xx with MS 304 (or MK 304)

MS 34 103



M12 Connection

MS 34 105



M12 Connection

MS 304



M12 Connection

Alternative MK 304



for open Ends  
/ Wire Connection

- The **Reading fields** of the BCL 304i xx are equivalent to those of the BCL 34 xx, usually even larger
- **MK 304** or **MS 304** connection box is absolutely necessary for the operation of a BCL 304i xx
- For **Service** access the KB USB-USBminiB (50117011) cable is required

## **Attention !**

- The **GSD-File** from BCL 304i xx is not compatible with BCL 34 xx and must be exchanged

If you have any questions about this application note or require further information, please do not hesitate to contact us.

You can find the contact details of the service staff in your country on our website [www.leuze.com](http://www.leuze.com) folder **Contact & Support**.